PROFILE

Name: Dr. S.R.Ruckmani
Designation: Lecturer
Qualification: B.E., M.E., Ph.D.
Email: srruckmani@citspc.edu.in
        cbers93@gmail.com

Academics Experience:

Dr.S.R.Ruckmani is currently working as Lecturer in the Department of Instrumentation and Control Engineering. She has an experience of 19 years in teaching

She has obtained her Doctoral Degree in VLSI Design from Bharathiar University, Coimbatore. Master's Degree in Applied Electronics from Bharathiar University, Coimbatore, and Bachelor's Degree in Electronics and Communication Engineering from Bharathiar University.

She joined Coimbatore Institute of Technology, Coimbatore – 641 014, as a Lecturer in the Department of Electronics and Communication Engineering and served from June 1995 to July 1999.

In July 1999, She joined CIT sandwich Polytechnic College, Coimbatore – 641 014, as a Lecturer in the Department of Instrumentation and Control Engineering. At present, she is continuing as Lecturer in Department of Instrumentation and Control Engineering.

Responsibilities:

Subjects Handled:
1. Electronics Devices and circuits
2. Analog and Digital Electronics
3. Biomedical Instrumentation
4. Measurements and Instruments

Laboratory Handled:
1. Electronics Devices and circuits
2. Analog and Digital Electronics
3. Electrical and electronics Circuits
4. LabVIEW and PLC Simulation Practical
5. C Programming Practical

Specialization:
 VLSI design, Analog and Digital Electronics, Electronics Devices and Circuits

Workshops, Conference Attended:

1. **"DSP Education Symposium 2002"** organized by the ECE Department of PSG College of Technology, Coimbatore on 19.1.2002 and 20.1.2002

2. VLSI Universal serial bus implementation using Verilog HDL, Proceeding of the 2nd National Conference on **Advance Computing** conducted by PSG College of Technology, Coimbatore on 1.2.2002 and 2.2.2002

3. Networking Universal serial bus, Proceeding of Third National Conference on Recent Trends in **Advanced Computing** conducted by Manonmaniam Sundaranar University, Tirunelveli on 8.2.2002

4. **National Conference** on "Signals, Systems and Security" conducted by PSG College of Technology, Coimbatore on 1.3.2002 and 2.3.2002

5. "**Math cad Certified, Training**" conducted by CIT, Coimbatore on 22.7.2004 and 23.7.2004 on 22.7.2004 and 23.7.2004

6. The design of a rapid proto type platform for USB transmission and receiver control circuit based VLSI system, Proceeding of the Inter **National Conference** on Emerging Technologies in Intelligent System and control conducted by Kumaraguru College of Technology, Coimbatore from 5.1.2005 to 7.1.2005

7. VLSI architecture of USB for ISDN and multimedia communication, Proceeding of the 2nd **National Conference** on Advanced Control & Instrumentation conducted by St.Joseph college of Engineering, Chennai on 3.2.2005 and 4.2.2005

8. Modelling and simulation of Universal serial Bus cyclic redundancy Checksums, Proceeding of the 1st **National conference** on Cutting edge technologies in power conversion and industrial drives conducted by Bannari Amman Institute of Technology, Sathyamangalam on 25.3.2005 and 26.3.2005

9. Area Efficient VLSI architecture of Universal Serial Bus Finite State Machines Based on Different Encoding Methods, Proceeding of the **International conference** on Resource Utilisation and Intelligent Systems conducted by Kongu Engineering College, Erode from 4.1.2006 to 6.1.2006

10. One day workshop on "**Programming DSPs graphically**" conducted by Department of Electronics and Communication Engineering, CIT, Coimbatore on 18.1.2006

11. Power optimization of Multiprocessor System, Proceeding of **National conference** on Intelligent Integrated Control and Automation conducted by Coimbatore Institute of Technology, Coimbatore on 10.2.2006 and 11.2.2006

12. Two days workshop on "**Advanced Signal Processing Techniques**" organized by the department of Electronics and Communication Engineering jointly with the Industry Institute Partnership Cell, CIT, Coimbatore on 23.2.2006 and 24.2.2006

13. One day workshop on "**Model Based Design of Communication Systems using MATLAB & SIMULINK** conducted by Department of Electronics and Communication Engineering jointly with Cranes Software International Ltd., Bangalore on 9.2.2007

14. A High performance Synthesizable reconfigurable Finite state Machine encoding For AMBA interface, Proceeding of the **National conference** on System on Chip conducted by Karunya University, Coimbatore and A High performance Low power AMBA System on Chip Architecture, Proceeding of the National conference on System on Chip conducted by Karunya University, Coimbatore on 3.3.2007

15. Short term course on "**Embedded Systems – ARM Controller and RTOS"** conducted by NITTTR, Chennai from 30.11.2009 to 4.12.2009 (One week)

16. One day workshop on "**An Overview of Development Life cycle**" – FPGA and DSP Based Applications" conducted by EEE Department, Coimbatore Institute of Technology, Coimbatore on 26.3.2010

17. One day workshop on "Enhancing the effectiveness of Polytechnic Teaching conducted by CIT Polytechnic College in collaboration with NITTTR, Chennai on 11.2.2011

18. CNC Machine Operation and Programming conducted by Karpagam Polytechnic College in collaboration with Co-India, Coimbatore from 7.3.2011 to 11.3.2011   (One week)

19. Three day **workshop** on problem based learning and peer Instruction conducted by CIICP of CIT Sandwich Polytechnic College, Coimbatore from 14.7.2011 to 16.7.2011

20. Short term course on "Biomedical Instrumentation and Telemedicine" conducted by **NITTTR**, Chennai from 18.10.2011 to 22.10.2011 (One week).

21 Two days **workshop** on "State level WID workshop" conducted by Directorate of Technical Education at Govt. Polytechnic College for Women, Madurai from 24.8.2012 to 25.8.2012 (Two days).

DETAILS OF ALL INDIA COUNCIL FOR TECHNICAL EDUCATION / STATE GOVERNMENT APPROVED REFRESHER PROGRAMMES / TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME (TEQIP) SPONSORED PROGRAMME, NATIONAL SEMINARS, WORKSHOPS ATTENDED

1. Short term course on "Embedded Systems – ARM Controller and RTOS" conducted by **NITTTR, Chennai** from 30.11.2009 to 4.12.2009 (One week)

2.

3. Short term course on "Biomedical Instrumentation and Telemedicine" conducted by **NITTTR, Chennai** from 18.10.2011 to 22.10.2011 (One week).

4. **AICTE sponsored staff development programme** in "Power Management and Energy security" organized by department of Electrical and Electronics Engineering, Coimbatore Institute of Technology, Coimbatore from 13.11.2011 to 27.11.2011 (Two weeks).

5. Short term course on "Data Communication and Computer Networking" conducted by NITTTR, Chennai from 13.2.2012 to 24.2.2012 (Two weeks).

6. Short term course on "MATLAB and LabVIEW PROGRAMMING" conducted by this **NITTTR**, Chennai from 19.3.2012 to 30.3.2012 (Two weeks).

7. One day workshop on "EMERGING TRENDS IN EMBEDDED SYSTEMS – Colliding Worlds of Hardware and Software" conducted at CIT, Coimbatore-14 on 10.8.2012 (One day).

8. **TEQIP II sponsored One Week** Faculty Development Programme on "VIBRATION AND TRIBOLOGY RELATED ISSUES IN INDUSTRIAL SCENARIO" conducted by Govt. College of Technology, Coimbatore-13 from 2.10.2012 to 8.10.2012 (One week).

9. **TEQIP sponsored One Week** Faculty Development Programme on "Power Electronic controllers for Renewable Energy Sources" conducted by Alagappa Chettiar College of Engineering & Technology, Karaikudi from 5.11.2012 to 11.11.2012 (One week).

10. **TEQIP sponsored One Week** Faculty Development Programme on "RESEARCH ISSUES IN POWER CONVERTERS" conducted by Alagappa Chettiar College of Engineering & Technology, Karaikudi from 19.11.2012 to 25.11.2012 (One week).

11. **TEQIP sponsored One Week** Faculty Development Programme on "Restructured Power Markets And Facts Devices" conducted by Govt. College of Technology, Coimbatore-13 from 28.2.2013 to 6.3.2013 (One week).

12. **AICTE sponsored Two Weeks** Faculty Development Programme on "Efficient Control of Renewable Energy and its Conservation" conducted by Govt. College of Technology, Coimbatore-13 from 25.4.2013 to 8.5.2013 (Two weeks).

13. **AICTE sponsored one Week** Faculty Development Programme on "Advanced control theory for engineering application" conducted by Coimbatore Institute of Technology, Coimbatore-14 from 13.9.2014 to 19.9.2014 (Two weeks).