



**Sri Chandrasekharendra Saraswathi Viswa MahaVidyalaya
Department of Electronics and Communication Engineering**

SCSVMV/ECE/IRD/IR/086

Date: 24.09.2015

**Sub: Minutes of 21st Research Colloquium meeting organized in ECE department on 23/09/15
– Regarding**

1. The Department of ECE organized the 21st “Research Colloquium” on 23/09/15, Thursday in Mega Seminar Hall at 4.40 pm.

2. The following staff members were Present

Dr.M.Sivanandam
Shri.R.Viswanath.
Dr K.Umapathy
Dr.P.Venkatesan
ShriG.Senthilkumar
Shri A.Rajasekaran
Shri M.Senthilkumar.
Shri.R.Jayalakshmi
Shri.B.Chandrasekaran.
Shri. S.Selvakumar.
Shri.G.Poornima.
Shri.V.Jayapradha.
Shri. R.Kamalakaran.
Shri.M.Vinoth.
Shri S.Chandramohan.
Shri.M.A.Archana
Shri.V.Uma
Shri. D.Muthukumaran
Shri.L.Sathish Kumar.
Shri.J.VinothKumar
Shri.T.DineshKumar.
Shri A.Niranjana
Shri. K.Anitha
Shri T.S.Raghavendran.
Shri.K.Parimala
Shri. K.M.Sivakumar
Shri.M.Bhuvaneshwari
Shri.E.Senbagam.
Shri.T. Bhuvaneshwari
Shri R.Palani.

3. The following members were absent

Dr S.Om Kumar.
Shri.S.Vijayaraghavan.

4. Research Scholar: Mrs.R.Jayalakshmi, PhD Scholar-Internal (ECE)
Assistant Professor, ECE, SCSVMV University
Research Topic : An insight to the Fundamentals of Quantum Dot cellular Automata &
Quantum Computing

Synopsis : Topic of Research Colloquium is an insight to the Fundamentals of Quantum Dot cellular Automata & Quantum Computing. In this presentation, she discussed about the Fundamentals of Quantum Dot cellular Automata & Quantum Computing. She also discussed about Analysis of physical implementation of an automaton using quantum-dot cells. The presentation gave an overview of Fundamentals of Quantum Dot cellular Automata. Complementary metal-oxide semiconductor (CMOS) technology has been the industry standard for implementing Very Large Scale Integrated (VLSI) devices for the last two decades, mainly due to the consequences of miniaturization of such devices (i.e. increasing switching speeds, increasing complexity and decreasing power consumption). Quantum Cellular Automata (QCA) is only one of the many alternative technologies proposed as a replacement solution of CMOS technology.

5. File Photo of the Colloquium



6. Research Colloquium was organized by A.Rajasekaran, Assistant Professor, ECE department.

A.Rajasekaran
(Research Colloquium coordinator)

Dr.M.Sivanandam
(HOD/ECE)

Encl:

1. Attendance Sheet.

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