

No Objection Certificate (NOC) from HoD / Head of the Institution

I hereby certify that Mr./Ms. is a(M.Tech / M.E / PhD) of I have no objection to him/her undergo a workshop (if selected) on "The Next Generation VLSI and MEMS Devices in Medicine" at the Velagapudi Ramakrishna Siddhartha Engineering College, from 20th to 22nd December 2023.

Place: _____ Name & Signature of
Date: _____ HoD / Head of Institution
(Department/Institute Seal)

TARGETED PARTICIPANTS: Faculties, Ph.D. Scholars, Researchers and post-graduate students working in VLSI and MEMS devices. Faculties who want to start their research in this field are encouraged to register.

REGISTRATION PROCESS:

1. Download the filled out google registration form (you will receive a copy of filled out google form to the registered email-ID).
2. Get attested NOC from Parent College Head of the Institution / HoD.
3. Scan and send the PDF of the attested form to the coordinator email-ID.

Last Date for Registration:

16/12/2023(Hard Deadline)

Shortlisted candidates will be informed through registered Email-ID on **18/12/2023**.

Max Limit- 30 participants from the Higher Education Institutions/ Industries.

Registration Fee: Free

Register here:

<https://forms.gle/GS8bAz9dzStvEKDv6>

Chief Patrons:

Dr. Ch. Nageswara Rao, President, Siddhartha Academy of General & Technical Education (SAGTE), Vijayawada

Patrons:

Sri P. Lakshmana Rao, Secretary, SAGTE

Sri S. Venkateshwara Rao, Treasurer, SAGTE

Sri M. Rajayya, Vice-President, SAGTE & Convener, VRSEC

College Advisory Committee:

Dr. A. V. Ratna Prasad, Principal, VRSEC

Dr. B. Panduranga Rao, Prof. of CE & Dean SA, VRSEC

Dr. M.V.S. Raju, Prof. of CE & Dean R&D, VRSEC

Dr. Ch. Srinivas, HoD CE, Dean IR, VRSEC

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Dr. D. Venkata Rao, Professor & Head of ECE, VRSEC

Convener:

Dr. Jasti Sateesh, Assistant Professor, ECE, VRSEC

Co-Convener:

Prof. G. L. Madhumathi, Professor. ECE, VRSEC

Mr. V. Siva Reddy, Assistant Professor, ECE, VRSEC

CONTACT DETAILS :

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SERB Sponsored



Three-Days
National Workshop
on

**THE NEXT GENERATION
VLSI & MEMS DEVICES
IN MEDICINE**

20th -22nd December 2023

(OFFLINE MODE)

Organized by:

**Dept. of Electronics & Communication
Engineering**



**VELAGAPUDI RAMAKRISHNA
SIDDHARTHA ENGINEERING COLLEGE**
(AUTONOMOUS)

(Sponsored by Siddhartha Academy of General & Technical Education)

www.vrsiddhartha.ac.in

ABOUT THE INSTITUTE:

Velagapudi Ramakrishna Siddhartha Engineering College has an outstanding academic reputation, known for its commitment to cutting-edge research, innovation, and knowledge exchange. We have a diverse faculty of experienced researchers and a talented student body eager to contribute to the growth of technology and industry. Velagapudi Ramakrishna Siddhartha Engineering College was established in 1977 as the first private self-financing engineering college in the state of composite Andhra Pradesh. First Autonomous institution in A.P. since 2006 & Extended autonomous status for 10 years up to 2028 by UGC without peer team visit. NBA accredited programs since 1998 (First in A.P.) and also accredited in Outcome-based education format (Tier I) since 2013 (one of the very few colleges in the country). The Institute is accredited by NAAC with A+ grade in 2021. Only Institute ranked below 200 in NIRF among the private institutions in Andhra Pradesh for the last six years.

ABOUT THE ECE DEPARTMENT:

We have B. Tech (Electronics and Communication Engineering) program with an intake of 240 students and M. Tech (VLSI and Embedded Systems) program with 12 students' intake. Further, the

highlights of the ECE department are as follows: The department of ECE comprises four focused research groups 1. Antennas, 2. Image Processing, 3. R.F. & M.W., and 4. VLSI & E.S. All faculty members actively publish articles in international reputed journals and apply for national project funding agencies. The department has MOUs with IIT Tirupati, NIT Warangal, New Mexico State University, Old Dominion University (Norfolk, Commonwealth of Virginia), Avintel Limited, Talent Sprint Pvt. Ltd. (PEGA), A.P. Skill Development Corporation, etc. 40% of the faculty with Ph.D. qualification from premier institutions encompassing IITs, NITs, BITS, and government universities to institute strong foundation and impart necessary skills. Establishment of TIFAC CORE in Telematics by DST, New Delhi, and industries with an outlay of 10 Crores, the first of its kind in the state of A.P., for producing industry-ready students in the focused core areas.

ABOUT THE WORKSHOP:

The aim of the workshop is to bring great minds in Medicine, Industry and Academia together to enlighten and share knowledge to work in interdisciplinary fields. This Workshop not only enhances participants expertise but also fosters collaborations among academia and industry, facilitating the seamless transition of research into practical applications.

Course Contents:

- Kidney Importance in Human Body
- Drug induced Nephrotoxicity & its eradication
- MEMS and Bio-MEMS
- Microfluidics in Medical Equipment
- Fabrication Aspects of Microfluidics
- Applications and Future Scope of MEMS in Medical Diagnostics

Resource Persons:

Dr. Sanket Goel

Professor, BITS Pilani, Hyderabad

Dr. Prem Pal

Professor, IIT, Hyderabad

Dr. Subhramanyam Gorti

Assistant Professor, IIT Tirupati

Dr. Kiran Kumar Gurralla

Assistant Professor, NIT AP

Dr. R. Periya Samy

Assistant Professor, NIT Trichy

Dr. R. Rajasekhar

Assistant Professor, Neuro Surgeon, AIIMS Mangalagiri

Dr. U. Rakesh

Associate Professor, General Medicine, AIIMS Mangalagiri