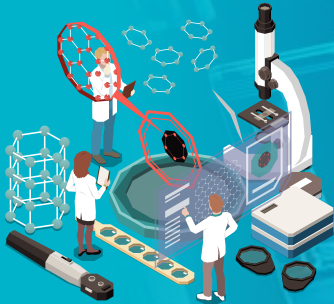


## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING & INTERDISCIPLINARY NANO RESEARCH CENTRE

### PRESENTS



### EXCLUSIVELY

**FOR RESEARCH SCHOLARS  
AND SVCE FACULTIES**

### WORKSHOP ON

# IC FABRICATION



### RESOURCE PERSON

Peter Lee, Manager, Midas System Co Ltd  
Republic of Korea

### CHIEF PATRON

Prof. M. Sivanandham,  
Secretary, SVCE

### PATRON

Prof. S. Ganesh Vaidyanathan,  
Principal, SVCE

### CONVENOR

Dr.KR.Santha, Vice-Principal,  
Professor & Head of Dept,  
Department of EEE



### CO-ORDINATOR

Dr.Sudhakar.KB,Prof/EEE

**NO REGISTRATION FEE**

**LIMITED SEATS ONLY**

**7<sup>TH</sup> - 9<sup>TH</sup>  
NOV**



For Queries Contact : 9629713099

**Sri Venkateswara College of Engineering  
Pennalur, Sriperumbudur 602117**

**Interdisciplinary Nano Research Centre**

**Three days workshop on IC Fabrication : November 7<sup>th</sup> -9<sup>th</sup>, 2021**

**Workshop Report**

Department of Science and Technology (DST) FIST sponsored Interdisciplinary Nano Research Centre (iNRC), Sri Venkateswara College of Engineering, houses a 1000 Sq.ft non-conventional Class-10,000 clean-room facility with state-of-the-art sophisticated nano-fabrication and characterization facilities, which provides end to end support from IC design, Nano-device modeling, fabrication and characterization.

A new state-of-the-art MDA-400LJ Mask Aligner and exposure system was procured from Midas System Co. Ltd, South Korea. Mr. Peter Lee, Manager, Midas Systems, and Mr. Rahul Chaudhary, Director, Aura Innovative Technologies, New Delhi, visited SVCE from 06<sup>th</sup> to 09<sup>th</sup> of November 2021 and trained a team of faculty members at SVCE headed by Dr. Sudhakar.KB, Prof/EEE on IC Fabrication and the process of Photolithography. The laboratory which specializes on thin film technology has now developed into a fully functional Nano device fabrication facility, with the installation of Photolithography- Mask Aligner and Exposure System. This facilitates SVCE to design and fabricate a complete IC chip and various other optoelectronic devices.

**Fields of Application:** Micro- and Nano-electronics, MEMS, Nanobiotechnology, Biomedical devices, Wearable devices, Smart Materials, Solar and sustainable energy.

**Summary of Events:**

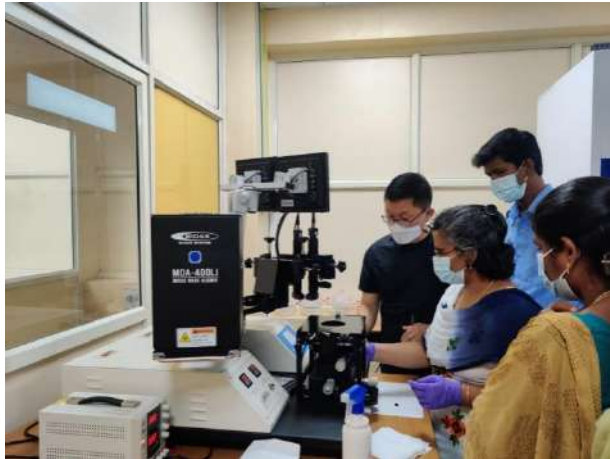
Nov 6 <sup>th</sup> 2021	<u>Start of installation:</u> Opening of the Mask aligner System and checking all the components and modules.
Nov 7 <sup>th</sup> 2021	1. <u>Hands-on demonstration</u> of the mask aligner and exposure system. 2. Photolithography process – Patterning, Etching and Developing. 3. Alignment process – Multi step lithography with alignment.
Nov 8 <sup>th</sup> 2021	<u>Hands-on training</u> of the above process by the SVCE faculty members.
Nov 9 <sup>th</sup> 2021	<u>Interactive session</u> - Experts and participants.



Workshop Coordinator



**Event pictures:**



*K.R. Sankar*

Workshop Coordinator

*K.R. Sankar*

**Participants List:**

S.No	Title	Name	Designation	Department
1	Ms	ANITHA S	Assistant Professor	EEE
2	Mrs	SASIKALA M	Assistant Professor	EEE
3	Mrs	SINTHAMANI S	Assistant Professor	EEE
4	Mr	S.SUDHARSANAM	Assistant Professor	EEE
5	Mrs	M.RANJITHKUMAR	Assistant Professor	EEE
6	Mr	VINOTH KUMAR G	Assistant Professor	EEE

K.R. Sankar





The Department of  
Electrical and Electronics  
Engineering



Sri Venkateswara  
College of  
Engineering



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## Department of Electrical and Electronics Engineering INTERDISCIPLINARY NANO RESEARCH CENTRE

### Certificate of Participation

This is to certify that  
S. Anitha of

**SRI VENKATESWARA COLLEGE OF ENGINEERING**

has participated in the International workshop on IC FABRICATION  
organized by the Department of Electrical and Electronics Engineering in association with  
Midas systems, Korea on 7<sup>th</sup> - 9<sup>th</sup> July 2021.

Dr. Sudhakar K Bharatan  
Prof/EEE

Event Coordinator

Dr. K R. Santha  
Vice Principal, Prof & Head / EEE



Top Ranked Affiliated  
Institution in Tamil Nadu



5/5 Star Rated  
Innovation Cell



SMART INDIA  
HACKATHON  
2020

Top  
Performer



Recognized  
Incubation Center



Certified  
Organization



Accreditations