



ONE DAY OUTREACH PROGRAM INDIA SEMICONDUCTOR MISSION



& MoU with INDIAN SOCIETY FOR VLSI EDUCATION, RANCHI



S.O.S. in Electronics & Photonics and Institute of RETM

in association with

**Indian Society for VLSI Education, Ranchi
under the aegis of Public Outreach Centre
Pt. Ravishankar Shukla University, Raipur**

Patron

Prof S. N. Shukla
Vice-Chancellor,
Pt. Ravishankar Shukla
University, Raipur
(C.G.)

Coordinator

Dr. Kavita Thakur
Head, S.o.S. in Electronics and
Photonics,
Pt. Ravishankar Shukla University,
Raipur (C.G.)

Organizing Committee

Dr. Sunandan Mandal	Ms. Shalini Verma
Mr. Gajendra Singh Rathore	Ms. Gunvati
Ms. Neha Dewangan	Mr. Ankur Shrivastav
Mr. K. Anil	Ms. Ankita Sao
Mr. Madhuallalla	Ms. Aayushi Sharma
Mr. Mohnish	Ms. Preeti Nema
Ms. Aayushi Soni	Ms. Kusum Sonkar



Contact Person:

Prof. Kavita Thakur
Coordinator, One Day Program
Head, SOS in Electronics and Photonics,
Pt. R. S. University, Raipur (C.G.)
Contact No. - 09926801119



ONE DAY WORKSHOP
INDIA
SEMICONDUCTOR
MISSION
&
MOU WITH
INDIAN SOCIETY
FOR VLSI
EDUCATION RANCHI

14th July, 2023

Time: 10:30 AM Onwards
Venue: Seminar Hall, Electronics
Department, Pt. RS University,
Raipur (C.G.)

Organized by

S.O.S in Electronics & Photonics
and
Institute of Renewable energy
Technology & Management

in Association with
Indian Society for VLSI
Education, Ranchi under the
aegis of Public Outreach Centre
Pt. Ravishankar Shukla University,
Raipur (C.G.)
(NAAC Accredited with Grade „A“)



INVITATION

S.O.S. in Electronics & Photonics and Institute of RETM

in association with

Indian Society for VLSI Education, Ranchi

under the aegis of Public Outreach Centre

Pt. Ravishankar Shukla University, Raipur

Cordially invites you for the Inaugural Ceremony of

One Day Program

on

INDIA SEMICONDUCTOR MISSION

Our Eminent Speakers

Dr. Vijay Nath

Associate Professor, Birla Institute of
Technology Mesra Ranchi

Dr. D.K. Yadav

Professor, National Institute of
Technology, Jamshedpur

Dr. Anand Kr Thakur

Assistant Professor, Ranchi University,
Ranchi

Dr. J. K. Mandal

Vice-Chancellor Raiganj University,
Raiganj

Date : Friday, 14th July 2023 at 10:30 AM

Venue : Seminar Hall, S.O.S. in Electronics & Photonics

Chief Guest

Shri Pradeep Sharma

Advisor, State Planning Commission

Patron

Hon'ble Vice Chancellor

Prof. Sachchidanand Shukla

Pt. Ravishankar Shukla University, Raipur will preside over the function

Prof. Kavita Thakur

Head, S.O.S. in Electronics & Photonics

Prof. Kallol K. Ghosh

Director, Public Outreach Centre

Dr. Shailendra Patel

Registrar, PRSU, Raipur

SCHEDULE OF PROGRAM

- 10:30 AM : Arrival of Chief Guest & Speakers
- 10:35 AM : Lamp Lightening and Sarawati Vandana
- 10:35 AM : University Kulgeet
- 10:40 AM : Floral Welcome of Guests & Speakers of the Program
- 10:45 AM : Welcome Address by Prof. Kavita Thakur
- 10:50 AM : Address by Dr. Vijay Nath, Associate Professor, Birla Institute of Technology Mesra and General Chair ISVE Ranchi
- 10:55 AM : Address by Dr. D.K. Yadav, Professor, National Institute of Technology, Jamshedpur and President of ISVE Ranchi
- 11:00 AM : Address by Chief Guest **Shri Pradeep Sharma**, Advisor, State Planning Commission
- 11:10 AM : Presidential Address by Patron **Prof. Sachchidanand Shukla**, Hon'ble Vice-Chancellor, PRSU
- 11:15 AM : Execution of MoU
- 11:20 AM : Memento to Guest
- 11:25 AM : Vote of Thanks
- 11:25 AM—12:00 Noon HIGH-TEA BREAK**

TECHNICAL SESSION

- 12 Noon to 01:00 PM : Chip Design & India Semiconductor Mission by Dr. Vijay Nath
- 01:00 PM to 02:00 PM : Application of AI & ML in India Semiconductor Mission by Dr. D.K. Yadav
- 02:00 PM—03:00 PM LUNCH BREAK**
- 03:00 PM to : Application of VLSI in Bio-Engineering by Dr. Anand Kr Thakur
- 04:00 PM to 05:00 PM : Application of Cloud Computing in India Semiconductor Mission by Dr. J. K. Mandal

END OF PROGRAM WITH GROUP PHOTOGRAPHY

One Day Workshop on India Semiconductor Mission & MOU with Indian Society for VLSI Education Ranchi On 14th July 2023

In line with the national mission to make India self-dependent in VLSI Design & Manufacturing, S.O.S. in Electronics & Photonics and Institute of Renewable Energy Technology & Management, Pt Ravishankar Shukla University Raipur in association with Indian Society for VLSI Education, Ranchi under the aegis of Public Outreach Centre is organizing one day outreach program for UG/PG/PhD/Faculties/Scientist on 14th July 2023. This program shall cover role model and planning of India Semiconductor Mission, Chip Design, Artificial Intelligence, Machine Learning, Cloud Computing, Application of VLSI in Bio-engineering

About ISVE

Indian Society for VLSI Education (ISVE) is registered (Act 21, 1860) non profitable society dedicated to serve the nation. It makes a bridge between industry and academia for organizing the workshops, summer/winter schools, short term courses, conferences, symposiums and seminars by which students, research scholars, faculties and scientists come together, work together and share their knowledge in recent development in engineering, science & technology. Towards this end the society provides continuing technical education programmes for human resource development. It is committed to innovative research, publications in recent trends in electrical, electronics, computers, communications, environmental, biomedical & space engineering.

About University

Pt. Ravishankar Shukla University is Chhattisgarh's largest and oldest institution of higher education, founded in 1964, and named after the first chief minister of erstwhile Madhya Pradesh. The University has a sprawling campus in the western part of the capital of Chhattisgarh, Raipur. The campus of University is spread in 300.16 acres of land. There are Twenty-Nine teaching departments in the University. Out of which six departments buildings have been constructed recently. A variety of self financed courses have been initiated in some departments. The total number of employees is 700, who provide the administrative support at different levels.

S.O.S in Electronics & Photonics

The Department provides an unrivalled education in Electronics and photonics. The department has vibrant atmosphere with a combination of strong academic and research activities. Both compliment each other and the students at all levels under the able guidance of the faculty members maintain this brilliant combination and help the Institute to reach the zenith of knowledge and innovation. Department conducts courses leading to M.Tech. (Optoelectronics & Laser Technology) and M Sc (Electronics). All students joining the M Tech course are required to undergo one year project in an industry or R&D organization and industrial training. The curriculum of these courses is updated regularly to keep it in consonance with the changing industrial environment. It is our mission and vision to implement a curriculum at our University which is at par with the best in the world. Since its birth in 1994, the department has grown in an exponential manner.

Institute of Renewable Energy Technology & Management

Institute of Renewable Energy Technology & Management (IRETM) is one of its kinds in central India region to cover diverse issue of solar, wind, biomass, geothermal and other renewable sources. The Centre provides three year degree program named “Bachelor of Vocation” (B.Voc) with multiple entry and exit points such as Certificate/ Diploma/ Advanced Diploma under the National Skill Qualification Framework (NSQF). The major objective of this programme is to upgrade skills of candidates in this field to international standards through significant industry involvement and to impart high quality education, training, research through qualified academicians & professionals. The course is designed in a way to make the student capable enough that they gain adequate knowledge and skills, which makes them prepared at each exit point of the programme and bridges the potential skill gap identified.

One Day Program on INDIA SEMICONDUCTOR MISSION (14th July 2023)

In line with the national mission to make India self-dependent in VLSI Design & Manufacturing, S.O.S. in Electronics & Photonics and Institute of Renewable Energy Technology & Management, Pt Ravishankar Shukla University Raipur in association with Indian Society for VLSI Education, Ranchi under the aegis of Public Outreach Centre had organized one day outreach program for UG/PG/PhD/Faculties/Scientist on 14th July 2023. This program had covered role model and planning of India Semiconductor Mission, Chip Design, Artificial Intelligence, Machine Learning, Cloud Computing, Application of VLSI in Bio-engineering.



INAUGURAL SESSION OF INDIA SEMICONDUCTOR MISSION



**Facilitation to Dr. Vijay Nath,
Associate Professor BIT Mesra &
General Chair ISVE Ranchi**



**Facilitation to Shri Pradeep Sharma,
Advisor, State Planning Commission
Govt of Chhattisgarh**



**Facilitation to Dr. Shailendra Patel
Registrar PRSU Raipur**



**Facilitation to Dr D.K. Yadav Professor
NIT Jamshedpur and President ISVE
Ranchi**



**Facilitation to Prof. S.N. Shukla, Vice-
Chancellor PRSU Raipur**



**Facilitation to Shri Pradeep Sharma,
Advisor, State Planning Commission
Govt of Chhattisgarh**

Floral Welcome of Guests & Speakers of the Program

01



Welcome Address by
Prof. Kavita Thakur
Program Coordinator,
PRSU Raipur

02



Address by
Dr. Vijay Nath
Associate Professor,
Birla Institute of
Technology Mesra and
General Chair ISVE
Ranchi

03



Address by
Dr. D.K. Yadav,
Professor,
National Institute of
Technology, Jamshedpur
and President of ISVE
Ranchi



04

Address by
Chief Guest
Shri Pradeep Sharma,
Advisor, State
Planning Commission



05

Presidential Address by
Patron
Prof. S.N. Shukla,
Hon'ble Vice-
Chancellor, PRSU



06

Vote of Thanks by
Dr. Kallol K. Ghosh
Head of Department,
Chemistry
Pt. Ravishankar Shukla
University, Raipur
Chhattisgarh, India

MoU between Indian Society for VLSI Education, Ranchi & Pt. Ravishankar Shukla University, Raipur signed by

**Dr. D.K. Yadav Professor
NIT Jamshedpur &
President, Indian Society
for VLSI Education Ranchi**



MoU between Indian Society for VLSI Education, Ranchi & Pt. Ravishankar Shukla University, Raipur signed by

**Dr. Shailendra Patel
Registrar, Pt. Ravishankar
Shukla University, Raipur**



Execution of MoU between Indian Society for VLSI Education, Ranchi & Pt. Ravishankar Shukla University, Raipur in witness of Shri Pradeep Sharma, Adviser, State Planning Commission Govt. of Chhattisgarh

TECHNICAL SESSION



01

Expert Lecture
by
Dr. Vijay Nath
(Associate Prof.,
BIT, Mesra),
Chip Design & India
Semiconductor
Mission



02

Expert Lecture
by
Dr. D. K. Yadav
(Professor, NIT,
Jamshedpur)
Application of AI &
ML in India
Semiconductor
Mission



03

Expert Lecture
by
Dr. Anand Kr. Thakur
(Assistant Professor,
Ranchi University,
Ranchi)
Application of VLSI in
Bio-Engineering.



Expert Lecture
by

Dr. J. K. Mandal,
Vice-Chancellor Raigarh University
Raigarh & City Coordinator of ISVE
Kalyani Chapter
Application of Cloud Computing in
India Semiconductor Mission



Participation of Students & Faculty members in One Day Outreach Program on Chip Design & India Semiconductor Mission in physical mode at PRSU Raipur



Participation of Students & Faculty members in One Day Outreach Program on Chip Design & India Semiconductor Mission in physical mode at PRSU Raipur and witness in MoU with Indian Society for VLSI Education Ranchi

Prof. Kavita Thakur

Head S.o.S. in Electronics & Photonics & Institute of RETM, PRSU Raipur &

Program Coordinator

One Day Outreach Program on Chip Design & India Semiconductor Mission

Prof. D.K. Yadav

President,

Indian Society for VLSI Education Ranchi

Co-Patron

One Day Outreach Program on Chip Design & India Semiconductor Mission