

About the College

The Radhakrishna Institute of Technology and Engineering (RITE) is a JRG Educational Trust initiative. The trust takes its roots from the life and philosophy of noted social worker and philanthrope Shri Jagdish Rai ji Gupta. The objective of the trust has been to impart education to all strata of the Indian society and to equate the Indian educated youth with the heights scaled by their counterparts abroad. Apart from this primary objective, the group continues to bear the beacon of social upliftment of the backward sections of the Indian society. The trust is home to a host of eminent members of the Indian intelligentsia which comprise the five founder members.

About the Course

The physics of semiconductor devices is much depending on the physics of semiconductor themselves. This add-on course is planned to cover very basics outlines of the hierarchy of transport models, and to connect the theory with the functioning of actual semiconductor devices. Details will be discussed from the basic physical concepts, while keeping the

internal coherence of the analysis and explaining the different levels of approximation. Coverage includes the main steps used in the fabrication process of integrated circuits: diffusion, thermal oxidation, epitaxy, and ion implantation. Examples are based on silicon due to its industrial importance. Participants will be familiar with the quantum-mechanical concepts necessary for understanding the transport properties of crystals. The behaviour of crystals incorporating a position-dependent impurity distribution will be touched, and the different hierarchical transport models for semiconductor devices will be highlighted.

Outcomes of Course

By the end of this course, participants will be able know the basic fundamentals of:

- Semiconductor Devices
- Semiconductor Device Applications
- The basic physics of semiconductors
- Hierarchy of transport models
- Steps used in the fabrication process of integrated circuits: diffusion, thermal oxidation, epitaxy, and ion implantation

Add-on Certification Course

titled

Understanding Physics of Semiconductor Devices

(1 June 2022 - 14 June 2022)



Course Coordinator:

Mr. Bhabya Ranjan Tripathy

Organized By:

Department of Basic Sciences & Humanities (BSH)

Radhakrishna Institute of Technology and Engineering, Bhubaneswar

(Plot No. 1, Khurda Industrial Estate, Dist: Khurda, Under B.D.A., Bhubaneswar, Bhubaneswar, Khordha, Odisha 752057)

www.riteindia.edu.in


Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

Add-On-Certification Course:
UNDERSTANDING PHYSICS OF SEMICONDUCTOR DEVICES
Date:
01/06/2022 – 14/06/2022
List of Students and the Attendance Sheet

Sr. No.	Name of Student	Certificate Number	Signature
1	HARISANKAR PRADHAN	RITE/CS/AC 2021-22/01	Harisankar Pradhan
2	JEEBANJYOTI MAHALIK	02	Jeebanjyoti Mahalik
3	MAMITA RANI SINGH	03	Mamita Rani Singh
4	NITYANANDA TAMSOY	04	Nityananda Tamsoy
5	TAPAS MOHANTY	05	Tapas Mohanty
6	AMIT BISWAS	06	Amit Biswas
7	AMRIT KHATUA	07	Amrit Khataua
8	ARATI MISHRA	08	Arati Mishra
9	ASHISH KUMAR SAHOO	09	Ashish K. Sahoo
10	ASHISH KUMBHAR	10	Ashish Kumbhar
11	ASHISH SETHI	11	Ashish Sethi
12	ASIT BEHERA	12	Asit Behera
13	BITTU SARKAR	13	Bitu Sarkar
14	CHINMAYA MALICK	14	Chinmaya Malick
15	DARWIN MAULIK	15	Darwin Maulik
16	DEBAPRIYA MOHANTA	16	Debapriya Mohanta
17	DEBASISH MANDAL	17	Debasish Mandal
18	DIBYADARSHAN OJHA	18	Dibyadarshan Ojha
19	DIBYAJYOTI SAMAL	19	Dibyajyoti Samal
20	DIBYARANJAN SETHI	20	Dibyaranjan Sethi
21	JAGAKALIA SAHU	21	Jagakalia Sahu

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(Approved by AICTE, New Delhi, and Affiliated to BPUT, Rourkela, Odisha)

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Sr. No.	Name of Student	Certificate Number	Signature
22	JEMANTA KUMAR MAJHI	RITE/CS/AC 2021-22/22	Jemanta Kumar Majhi
23	KRUSHNA CHANDRA PRADHAN	23	Krushna Chandra Pradhan
24	LAXMAN BEHERA	24	Laxman Behera
25	LILAN PRIYA BEHERA	25	Lilan Priya Behera
26	LOPAMUDRA DAS	26	Lopamudra Das
27	MADHUMITA SAHOO	27	Madhumita Sahoo
28	N.C .CHANDRAKANT	28	N.C Chandrakant
29	PANKAJ KUMAR PARIDA	29	Pankaj Kumar Parida
30	PAYAL PRIYA DARSHINI PAIKARAY	30	Payal Priya Darshini Paikaray
31	POOJARANI SWAIN	31	Poojarani Swain
32	PRIYADARSHINI SAHU	32	Priyadarshini Sahu
33	RUTURAJ PANIGRAHI	33	Ruturaj Panigrahi
34	SALINI DEHURY	34	Salini Dehury
35	SASMITA MAHAKHUDA	35	Sasmita Mahakhuda
36	SATYABRATA SATHUA	36	Satyabrata Sathua
37	SAUMYABHANU MOHANTA	37	Saumyabhanu Mohanta
38	SHUBHAM SINGH	38	Shubham Singh
39	SOUMYA RANJAN TANTY	39	Soumya Ranjan Tanty
40	SRIDHAM MALO	40	Sridham Malo
41	SUJIT KUMAR MAHANTA	41	Sujit Kumar Mahanta
42	SUPRITI SWAGATIKA	42	Supriti Swagatika
43	TANKA DHAR SAHU	43	Tankadhar Sahu
44	TRILOCHAN BAL	44	Trilochan Bal
45	TULASI PARIDA	45	Tulasi Parida
46	UMESH CHARAN BADABAT	46	Umesh Charan Badabat
47	JAYASHREE SUBHADARSANI BEHERA	47	Jayashree Subhadarsani Behera

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48	NAMRATA APAT	RITE/CS/AC 2021-22/48	Namrata apat
49	OM PRAKASH SAHOO		Om prakash saho
50	SWAYANSHU SHEKHAR CHANDA		Swayanshu shekhar chanda
51	ABINASH BISWAL		Abinash Biswal
52	BIPRADIP SARKAR		Bipradip Sarkar
53	HEMALATA MAJHI		Hemalata majhi
54	SASMITA CHHATRIA		Sasmita chhatra
55	SRADHANJALI SETHI		Sradhanjali sethi
56	AJAYA KUMAR DHARABAT		Ajaya kumar dharabat
57	ANANTA PUJARI	RITE/ME/AC 2021-22/01	Ananta Pujari
58	ANTARAYAMI BEHERA		Antarayami Behera
59	BINYABIN SAGARIA		Binyabin sagaria
60	HAREKRUSHNA DASH		Harekrushna Dash
61	MANORANJAN DAS		Manoranjan Das
62	SANGRAM KISHOR DAS		Sangram kishor Das
63	SAUMYARANJAN NAYAK		Saumyaranjan Nayak
64	SOURAV KUMAR KHATUA		Sourav kumar khadua
65	TRILOCHAN DEHURI		Trilochan Dehuri
66	ABHJIT NAYAK		Abhjit Nayak
67	AJAY KUMAR BEHERA		Ajay Kumar Behera
68	AMIT KUMAR PATBANDHA		Amit kumar patbandha
69	ARJUN MAJHI		Arjun majhi
70	BADAL MARANDI		Badal marandi
71	BRAJAMOHAN PURTY		Brajamohan Purty
72	CHINMAYA PRASAD RAUL		Chinmaya Prasad Raul
73	DACTOR SOREN		Dactor Soren
74	DIPTIKANTA MAHANTA		Diptikanta mahanta
75	GANGADHAR MUNDA		Gangadhare munda

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76	HARISH THAKUR	RITE / ME / AC 2021-22/20	Harish Thakur
77	JITENDAR KUMAR MURMU	21	Jitendra Kumar MURMU
78	KISAN PATRA	22	Kishan Patra
79	LALIT KUMAR DEHURY	23	Lalit Kumar Dehury
80	MANOJ KUMAR BHADRA	24	Manoj Kumar Bhadra
81	MANOJ KUMAR PRADHAN	25	Manoj Kumar Pradhan
82	MUNA DAS	26	Muna Das
83	NIRANJAN CHAMPIA	27	Niranjan Champia
84	RAMA CHANDRA MARNDI	28	Rama Chandra Marndi
85	RANJEET PATRA	29	Ranjeet Patra
86	REETA NAIK	30	Reeta Naik
87	SAMARA MAJHI	31	Samara Majhi
88	SIDHYANTA PAIDA	32	Sidhyanta Paida
89	SITARAM MURMU	33	Sitaram murmu
90	SUBASH SHANKAR BEHERA	34	Subash Shankar Behera
91	TIKEMAN BISHWAL	35	Tikeman Bishwal
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CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. HARISANKAR PRADHAN
of 4th semester Computer Science & Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

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This is to certify that Ms./Mr. JEEBANJYOTI MAHALIK
of 4th semester Computer Science & Engineering has
successfully completed 40Hrs add-on certification course
on

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This is to certify that Ms./Mr. MAMITA RANI SINGH
of 4th semester Computer Science & Engineering has
successfully completed 40Hrs add-on certification course
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This is to certify that Ms./Mr. NITYANANDA TAMSOY
of 4th semester Computer Science & Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

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This is to certify that Ms./Mr. TAPAS MOHANTY
of 4th semester Computer Science & Engineering has
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on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

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This is to certify that Ms./Mr. AMIT BISWAS
of 4th semester Computer Science & Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

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This is to certify that Ms./Mr. AMRIT KHATUA
of 4th semester Computer Science & Engineering has
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of 4th semester Computer Science & Engineering has
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Understanding Physics of Semiconductor Devices

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This is to certify that Ms./Mr. ASHISH KUMAR SAHOO
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This is to certify that Ms./Mr. BITTU SARKAR
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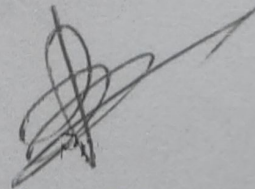


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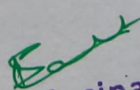
This is to certify that Ms./Mr. CHINMAYA MALICK
of 4th semester Computer Science & Engineering has
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Understanding Physics of Semiconductor Devices

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This is to certify that Ms./Mr. DARWIN MAULIK
of 4th semester Computer Science & Engineering has
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This is to certify that Ms./Mr. DEBAPRIYA MOHANTA
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This is to certify that Ms./Mr. DEBASISH MANDAL
of 4th semester Computer Science & Engineering has
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This is to certify that Ms./Mr. DIBYADARSHAN OJHA
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This is to certify that Ms./Mr. DIBYAJYOTI SAMAL
of 4th semester Computer Science & Engineering has
successfully completed 40Hrs add-on certification course
on

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This is to certify that Ms./Mr. DIBYARANJAN SETHI
of 4th semester Computer Science & Engineering has
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This is to certify that Ms./Mr. JAGAKALIA SAHU
of 4th semester Computer Science & Engineering has
successfully completed 40Hrs add-on certification course
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This is to certify that Ms./Mr. JEMANTA KUMAR MAJHI
of 4th semester Computer Science & Engineering has
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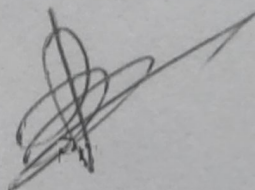


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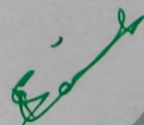
This is to certify that Ms./Mr. KRUSHNA CHANDRA PRADHA
of 4th semester Computer Science & Engineering has
successfully completed 40Hrs add-on certification course
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This is to certify that Ms./Mr. LAXMAN BEHERA
of 4th semester Computer Science & Engineering has
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This is to certify that Ms./Mr. LILAN PRIYA BEHERA
of 4th semester Computer Science & Engineering has
successfully completed 40Hrs add-on certification course
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This is to certify that Ms./Mr. LOPAMUDRA DAS
of 4th semester Computer Science & Engineering has
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This is to certify that Ms./Mr. MADHUMITA SAHOO
of 4th semester Computer Science & Engineering has
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This is to certify that Ms./Mr. N.C .CHANDRAKANT
of 4th semester Computer Science & Engineering has
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Radhakrishna Institute of Technology
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CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. PANKAJ KUMAR PARIDA
of 4th semester Computer Science & Engineering has
successfully completed 40Hrs add-on certification course
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Understanding Physics of Semiconductor Devices

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CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. PAYAL PRIYA DARSHINI PAIKARAY
of 4th semester Computer Science & Engineering has
successfully completed 40Hrs add-on certification course
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This is to certify that Ms./Mr. POOJARANI SWAIN
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Understanding Physics of Semiconductor Devices

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A handwritten signature in black ink, appearing to be "S. S. S.", is written over the printed name of the Principal/Director.

Principal/Director

A handwritten signature in green ink is written over the printed name of the Principal.

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

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CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. RUTURAJ PANIGRAHI
of 4th semester Computer Science & Engineering has
successfully completed 40Hrs add-on certification course
on

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CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. SALINI DEHURY
of 4th semester Computer Science & Engineering has
successfully completed 40Hrs add-on certification course
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CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. SASMITA MAHAKHUDA
of 4th semester Computer Science & Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. SATYABRATA SATHUA
of 4th semester Computer Science & Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. SAUMYABHANU MOHANTA
of 4th semester Computer Science & Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. SHUBHAM SINGH
of 4th semester Computer Science & Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. SOUMYA RANJAN TANTY
of 4th semester Computer Science & Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

A handwritten signature in black ink, appearing to be "S. K. Saha", is written over a faint circular stamp.

Principal/Director

A handwritten signature in green ink, appearing to be "S. K. Saha", is written over a faint circular stamp.

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING

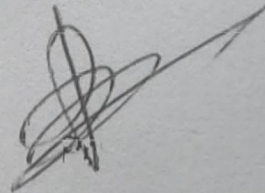


CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. SRIDHAM MALO
of 4th semester Computer Science & Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .



Principal/Director



Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. SUJIT KUMAR MAHANTA
of 4th semester Computer Science & Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. SUPRITI SWAGATIKA
of 4th semester Computer Science & Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

A handwritten signature in black ink, appearing to be 'S. S.', is written over the printed name of the Principal/Director.

Principal/Director

A handwritten signature in green ink, appearing to be 'S. S.', is written over the printed name of the Principal.

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. TANKA DHAR SAHU
of 4th semester Computer Science & Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. TRILOCHAN BAL
of 4th semester Computer Science & Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. TULASI PARIDA
of 4th semester Computer Science & Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. UMESH CHARAN BADABAT
of 4th semester Computer Science & Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. JAYASHREE SUBHADARSANI BEHERA of 4th semester Computer Science & Engineering has successfully completed 40Hrs add-on certification course on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. NAMRATA APAT
of 4th semester Computer Science & Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. OM PRAKASH SAHOO
of 4th semester Computer Science & Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. SWAYANSHU SHEKHAR CHANDA
of 4th semester Computer Science & Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. ABINASH BISWAL
of 4th semester Computer Science & Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. BIPRADIP SARKAR
of 4th semester Computer Science & Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. HEMALATA MAJHI
of 4th semester Computer Science & Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. SASMITA CHHATRIA
of 4th semester Computer Science & Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. SRADHANJALI SETHI
of 4th semester Computer Science & Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. AJAYA KUMAR DHARABAT
of 4th semester Computer Science & Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

A handwritten signature in black ink, consisting of several overlapping loops and a long horizontal stroke extending to the right.

Principal/Director

A handwritten signature in green ink, featuring a stylized, somewhat abstract shape with a long horizontal stroke.

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. ANANTA PUJARI
of 4th semester Mechanical Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. ANTARAYAMI BEHERA
of 4th semester Mechanical Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. BINYABIN SAGARIA
of 4th semester Mechanical Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. HAREKRUSHNA DASH
of 4th semester Mechanical Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

A handwritten signature in black ink, appearing to be 'S. S. S.', is written above the title 'Principal/Director'.

Principal/Director

A handwritten signature in green ink is written above the title 'Principal'.

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. MANORANJAN DAS
of 4th semester Mechanical Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. SANGRAM KISHOR DAS
of 4th semester Mechanical Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. SAUMYARANJAN NAYAK
of 4th semester Mechanical Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. SOURAV KUMAR KHATUA
of 4th semester Mechanical Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. TRILOCHAN DEHURI
of 4th semester Mechanical Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. ABHIJIT NAYAK
of 4th semester Mechanical Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. AJAY KUMAR BEHERA
of 4th semester Mechanical Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. AMIT KUMAR PATBANDHA
of 4th semester Mechanical Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology,
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. ARJUN MAJHI
of 4th semester Mechanical Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

A handwritten signature in black ink, appearing to be 'Arjun Majhi', is written over the printed name of the Principal/Director.

Principal/Director

A handwritten signature in green ink, appearing to be 'Arjun Majhi', is written over the printed name of the Principal.

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. BADAL MARANDI
of 4th semester Mechanical Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Ehubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. BRAJAMOHAN PURTY
of 4th semester Mechanical Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. CHINMAYA PRASAD RAUL
of 4th semester Mechanical Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. DACTOR SOREN
of 4th semester Mechanical Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. DIPTIKANTA MAHANTA
of 4th semester Mechanical Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. GANGADHAR MUNDA
of 4th semester Mechanical Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Subanswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. HARISH THAKUR
of 4th semester Mechanical Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. JITENDAR KUMAR MURMU
of 4th semester Mechanical Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. KISAN PATRA
of 4th semester Mechanical Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. LALIT KUMAR DEHURY
of 4th semester Mechanical Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. MANOJ KUMAR BHADRA
of 4th semester Mechanical Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. MANOJ KUMAR PRADHAN
of 4th semester Mechanical Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. MUNA DAS
of 4th semester Mechanical Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. NIRANJAN CHAMPIA
of 4th semester Mechanical Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. RAMA CHANDRA MARNDI
of 4th semester Mechanical Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. RANJEET PATRA
of 4th semester Mechanical Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. REETA NAIK
of 4th semester Mechanical Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Techno-
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. SAMARA MAJHI
of 4th semester Mechanical Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. SIDHYANTA PAIDA
of 4th semester Mechanical Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. SITARAM MURMU
of 4th semester Mechanical Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. SUBASH SHANKAR BEHERA
of 4th semester Mechanical Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. TIKEMAN BISHWAL
of 4th semester Mechanical Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING



CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. HARISANKAR PRADHAN
of 4th semester Computer Science & Engineering has
successfully completed 40Hrs add-on certification course
on

Understanding Physics of Semiconductor Devices

held during the period from 01-06-2022 to 14-06-2022 .

Principal/Director

Principal
Radhakrishna Institute of Technology
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