# TRIDENT ACADEMY OF TECHNOLOGY

Date: 01.08.2024

**List of faculties with highest degree (Ph.D.) as per Academic Session wise.**

# 2022-23

| Sl.No. | Name | Designation | Name of the Department | Highest Qualification (NET/SET/SLET/ Ph. D./D.Sc. / D.Litt./L.L.D. ) and Year of obtaining |
|---|---|---|---|---|
| 1 | Dr.Arup Sarkar | Professor | BIOTECH | Ph.D,2009 |
| 2 | Dr Deoraj Sharma | Associate Professor | BIOTECH | Ph.D,2013 |
| 3 | Dr.Anshuman Sarangi | Associate Professor | BIOTECH | Ph.D,2017 |
| 4 | Dr. Ashok Sarangi | Assistant Professor | BIOTECH | Ph.D,2018 |
| 5 | Dr. Sanjay Kumar Behera | Associate Professor | CIVIL | Ph.D,2018 |
| 6 | Dr.Roma Sahoo | Assistant Professor | CIVIL | Ph.D,2018 |
| 7 | Dr. Subhra Swetanisha | Associate Professor | CS-AIML | Ph.D,2018 |
| 8 | Dr. Mohini Prasad Mishra | Associate Professor | CS-AIML | Ph.D,2018 |
| 9 | Dr.Anil Kumar Mishra | Associate Professor | CS-AIML | Ph.D,2023 |
| 10 | Dr. Sumati Baral | Assistant Professor | CS-AIML | Ph.D,2019 |
| 11 | Dr. Pratiti Mishra | Assistant Professor | CS-AIML | Ph.D,2018 |
| 12 | Dr. Rekha Sahu | Assistant Professor | CS-AIML | Ph.D,2016 |
| 13 | Dr. Abhaya Kumar Samal | Professor | CSE | Ph.D, 2004 |
| 14 | Dr. Rabi Narayan Satpathy | Professor | CSE | Ph.D, 2003 |
| 15 | Dr. Mahendra Nath Dwibedi | Professor | CSE | Ph.D,2013 |
| 16 | Dr. Biswaranjan Nayak | Professor | CSE | Ph.D,2019 |
| 17 | Dr. Sashi Bhusan Parida | Associate Professor | CSE | Ph.D,2019 |
| 18 | Dr. Sudhansu Ranjan Lenka | Associate Professor | CSE | Ph.D,2019 |
| 19 | Dr. Sasmita Mishra | Associate Professor | CSE | Ph.D,2018 |
| 20 | Dr. Dakshya Prasad Pati | Associate Professor | CSE | Ph.D,2018 |



ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

| | | | | |
|---|---|---|---|---|
| 21 | Dr. Basudev Nath | Associate Professor | CSE | Ph.D,2018 |
| 22 | Dr. Sibananda Behera | Associate Professor | CSE | Ph.D,2018 |
| 23 | Dr. Simantika Ray | Associate Professor | CSE | Ph.D,2018 |
| 24 | Dr. Rahul Ranjan | Associate Professor | CSE | Ph.D,2018 |
| 25 | Dr. Aditya Narayan Das | Assistant Professor | CSE | Ph.D,2022 |
| 26 | Dr.Abhipsa Pattnayak | Assistant Professor | CSE | Ph.D,2022 |
| 27 | Dr. Shyamalendu Pati | Assistant Professor | CSE | Ph.D,2023 |
| 28 | Dr.Biswaranjan Nanda | Assistant Professor | CSE | Ph.D,2018 |
| 29 | Dr. Ranjeep Pradhan | Professor | CS-IT | Ph.D,2017 |
| 30 | Dr. Nani Gopal Das | Associate Professor | CS-IT | Ph.D,2018 |
| 31 | Dr. Pramod Kumar Sethy | Assistant Professor | CS-IT | Ph.D,2020 |
| 32 | Dr. Ashish Kumar Barik | Assistant Professor | CS-IT | PhD,2020 |
| 33 | Dr.Pradyumna Kumar Nayak | Assistant Professor | CS-IT | Ph.D, 2014 |
| 34 | Dr. Padmabati Chand | Professor | CST | Ph.D,2018 |
| 35 | Dr. Arpita Nibedita | Associate Professor | CST | Ph.D,2022 |
| 36 | Dr.Madhusmita Panda | Assistant Professor | CST | Ph.D,2018 |
| 37 | Dr.Arun Kumar Pradhan | Associate Professor | CST | Ph.D,2018 |
| 38 | Dr. Rabiteja Patra | Associate Professor | CST | Ph.D,2018 |
| 39 | Dr. Satya Sundar Mishra | Assistant Professor | CST | Ph.D,2018 |
| 40 | Dr. Monalisa Rout | Assistant Professor | CST | Ph.D,2012 |
| 41 | Dr. Deba Narayan Pattnaik | Professor | EE | Ph.D,2019 |
| 42 | Dr. Yasbonata Panda | Associate Professor | EE | Ph.D,2016 |
| 43 | Dr. P K Sahoo | Professor | EEE | Ph.D,2018 |
| 44 | Dr. Shitya Ranjan Das | Associate Professor | EEE | Ph.D,2017 |
| 45 | Dr. Lohit Ku.Sahoo | Assistant Professor | EEE | Ph.D,2018 |
| 46 | Dr. Mir Manjur Elahi | Assistant Professor | EEE | Ph.D,2004 |
| 47 | Dr. Sakuntala Mahapatra | Professor | ETC | Ph.D,2018 |
| 48 | Dr. Rabindra Bhojray | Associate Professor | ETC | Ph.D,2018 |
| 49 | Dr. Millee Panigrahi | Associate Professor | ETC | Ph.D,2018 |
| 50 | Dr. Md. Rizwan Khan | Associate Professor | ETC | Ph.D,2018 |
| 51 | Dr. Sumanta Kumar Mohapatra | Assistant Professor | ETC | Ph.D,2016 |
| 52 | Dr. Madhusmita Mohanty | Assistant Professor | ETC | Ph.D, 2022 |



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Principal
Trident Academy of Technology
Bhubaneswar-751024

| | | | | |
|---|---|---|---|---|
| 53 | Dr.Kali Prassana Swain | Assistant Professor | ETC | Ph.D,2018 |
| 54 | Dr. Shuvendra Kumar Tripathy | Assistant Professor | ETC | Ph.D,2017 |
| 55 | Dr. Satya Narayan Rath | Assistant Professor | ETC | Ph.D,2018 |
| 56 | Dr. Minu Samantaray | Assistant Professor | ETC | Ph.D,2005 |
| 57 | Dr.Amarendra Baral. | Professor | H & S | Ph.D,1993 |
| 58 | Dr Manas Ranjan Senapati. | Professor | H & S | Ph.D,2014 |
| 59 | Dr. Chandan kumar Das. | Professor | H & S | Ph.D,2017 |
| 60 | Dr Sanjita Mohanty. | Associate Professor | H & S | Ph.D,2016 |
| 61 | Dr Pradeepta kumar Nayak | Associate Professor | H & S | Ph.D,2015 |
| 62 | Dr Sidhartha S. Mohapatra | Associate Professor | H & S | Ph.D,2018 |
| 63 | Dr Namita Mohanty | Associate Professor | H & S | Ph.D,2016 |
| 64 | Dr.Manoj Kumar Swain | Associate Professor | H & S | Ph.D,2017 |
| 65 | Dr Sujata Mohanty | Associate Professor | H & S | Ph.D,2018 |
| 66 | Dr. Swetashree pattnaik | Associate Professor | H & S | Ph.D,2019 |
| 67 | Dr Hemanta Kumar Mishra | Associate Professor | H & S | Ph.D,2016 |
| 68 | Dr. Diptimayee Sahoo | Associate Professor | H & S | Ph.D,2019 |
| 69 | Dr Ashok kumar Sahu. | Assistant Professor | H & S | Ph.D,2018 |
| 70 | Dr. Pranati Mohapatra | Assistant Professor | H & S | Ph.D,2019 |
| 71 | Dr. Manoj Kumar Rath | Assistant Professor. | H & S | Ph.D,2022 |
| 72 | Dr. Sakya Singh Satapathy | Assistant Professor | H & S | Ph.D,2023 |
| 73 | Dr .Prasanta Kumar Rout | Assistant Professor | H & S | Ph.D,2022 |
| 74 | Dr. Gopal Charan Sasmal | Assistant Professor. | H & S | Ph.D,2022 |
| 75 | Dr. Tushar Ranjan Panda | Assistant Professor. | H & S | Ph.D,2022 |
| 76 | Dr. Bimal Prasad Mohapatra | Assistant Professor. | H & S | Ph.D,2018 |
| 77 | Dr. Sabyasachi Dey | Assistant Professor. | H & S | Ph.D,1987 |
| 78 | Dr. P. K Mohanty | Professor | MBA | Ph.D,2000 |
| 79 | Dr. Ashok Kumar Rath | Professor | MBA | Ph.D,2015 |
| 80 | Dr.Nargis Begum | Associate Professor | MBA | Ph.D,2019 |
| 81 | Dr. Sonam Subhadarshini | Assistant Professor | MBA | Ph.D,2018 |
| 82 | Dr. Manas Ranjan Choudhury | Assistant Professor | MBA | Ph.D,2018 |
| 83 | Dr. Kaustuva Chandra Dev | Professor | MCA | Ph.D,2018 |



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Principal
Trident Academy of Technology
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| | | | | |
|---|---|---|---|---|
| 84 | Dr. Sanjeev Narayan Bal | Associate Professor | MCA | Ph.D,2019 |
| 85 | Dr. Dipalika Das | Assistant Professor | MCA | Ph.D,2018 |
| 86 | Dr.Ashok Kumar Sahoo | Assistant Professor | MCA | Ph.D, 2017 |
| 87 | Dr. Ajay Kumar Sahoo | Professor | Mechanical | Ph.D, 2017 |
| 88 | Dr. Akshaya Kumar Nayak | Associate Professor | Mechanical | Ph.D,2018 |
| 89 | Dr. Kalyani Pradhan | Assistant Professor. | Mechanical | Ph.D,2020 |
| 90 | Dr. Diptiranjan Panda | Assistant Professor | Mechanical | Ph.D,2020 |

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No.....

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**ASHOK SARANGI**

Registration No : 1471013149

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended

the thesis entitled :

**"Nanotechnology is a new technology that can be applied to DNA genotyping"**

in the year 2018

Date 28 APR 2018

CONTROLLER OF EXAMINATIONS

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

# Promotionsurkunde

Die Technisch-Naturwissenschaftliche Fakultät der Universität zu Lübeck
verleiht

unter der Präsidentschaft
des Professors Dr. med. Peter Dominiak
und unter dem Dekanat
des Professors Dr. rer. nat. Jürgen Prestin

## Herr Arup Sarkar, M. Sc.

geboren am 06. Juli 1976 in Kolkata, Indien

den Grad eines

## Doktors der Naturwissenschaften

(Dr. rer. nat.)

nachdem er im ordentlichen Promotionsverfahren
durch die mit cum laude beurteilte Dissertation

**„Multiple Facets of Neutrophil Apoptosis Modulation by the Intracellular Pathogens *Anaplasma phagocytophilum Chlamydia pneumoniae* and *Leishmania major*"**

sowie in einer mündlichen Doktorprüfung
seine wissenschaftliche Befähigung erwiesen

und danach die
Gesamtbeurteilung cum laude (Gesamtnote: 2,0)
erhalten hat

Lübeck, 18. November 2009

Der Dekan

Prof. Dr. rer. nat. Jürgen Prestin

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

ATTESTED

Principal
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Bhubaneswar-751024

PhD2018134

# Utkal University

ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ

## Degree of Doctor of Philosophy

*This is to certify that*

**ANSHUMAN SARANGI**

*has been this day admitted to the degree of*

**DOCTOR OF PHILOSOPHY**

*in* **Life Science**

*under the faculty of*

**Science & Technology**

ବିଦ୍ୟା ବିଭୂଷଣ ଯୋଗ୍ୟତା ପତ୍ର

ବିଜ୍ଞାନ ଓ ପ୍ରଯୁକ୍ତି ବିଦ୍ୟା କ୍ଷେତ୍ରରେ

ଜୀବ ବିଜ୍ଞାନ ବିଷୟରେ

ଅଂଶୁମାନ ଷଡଙ୍ଗୀ କୁ

ଆଜି ଏହି ବିଦ୍ୟା ବିଭୂଷଣ ଉପାଧି ପ୍ରଦତ୍ତ ହେଲା।

The 23th March, 2019

Vice Chancellor

ATTESTED

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Principal
Trident Academy of Technology
Bhubaneswar-751024

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Civil Engineering

*on*

## Sanjay Kumar Behera

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal

Trident Academy of Technology

Bhubaneswar-751024

Date : 13 FEB 2018

*Vice-Chancellor*

# National Institute of Technology
# Rourkela

Upon the recommendation of the Senate,
hereby confers the degree of

## Doctor of Philosophy

on

*Roma Sahu*

who has successfully defended the thesis entitled

*"Studies on Ultimate Bearing Capacity of Shallow Foundations resting over Geogrid-reinforced Sand under Centric Inclined and Eccentric Vertical Load"*

and has fulfilled all other requirements
for the degree in the Department of
*Civil Engineering.*

Given this day, under the seal of the Institute
at Rourkela in the Republic of India,
the 19th Day of January 2019.

Registrar

Director

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

ATTESTED
Trident Academy of Technology
Bhubaneswar-751024

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Sl. No.....13179

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**SUMATI BARAL**

Registration No : 1571013117

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended

the thesis entitled :

**"The role of AI in improving urban planning and smart city initiatives"**

in the year 2019

ATTESTED

Principal

Trident Academy of Technology

Bhubaneswar-751024

Date 28 APR 2019

CONTROLLER OF EXAMINATIONS

Sl. No. VSSUT/2018/005

Regd. No. 14060015

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Pratiti Mishra

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice- Chancellor*

# Biju Patnaik University of Technology, Odisha

Rourkela







*On recommendation of the Board of* ***Management,***

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Computer Science and Engineering

*on*

## Mohini Prasad Mishra

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*



ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date : 13 FEB 2019

Vice-Chancellor

Sl. No. VSSUT/2023/047

Rogd. No. 190600074

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Anil Kumar Mishra

Who has successfully completed the prescribed requirements for award of this degree in the year 2023.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2023.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Abhaya Kumar Samal**

*having passed the examination for the degree of*

# Doctor of Philosophy

*in* **Engineering**, *under the Faculty of* **Science and Technology** *held in the month of November, 2013, was this day admitted to the degree.*

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 19th August, 2015

ATTESTED
Vice-Chancellor

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Principal
Trident Academy of Technology
Bhubaneswar-751024

# The International University of Contemporary Studies

## Greetings

RABI NARAYAN SATPATHY

## Degree

DOCTOR OF SCIENCE IN COMPUTER SCIENCE & ENGINEERING

FIFTH DECEMBER

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

# Utkal University

No. 001305

## UTKAL UNIVERSITY

DIPLOMA FOR DOCTOR OF PHILOSOPHY (Ph.D.)

*This is to certify that*

**MAHENDRA NATH DWIBEDI**

*Who passed the examination for the degree of,*

*DOCTOR OF PHILOSOPHY*

IN **COMPUTER SCIENCE** *held in the*

*month of* **APRIL** **2003** *, was this day*

*admitted to the degree.*

UTKAL UNIVERSITY VANI VIHAR BHUBANESWAR

The 15th December 2003

Vice Chancellor

## ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ

### ବିଜ୍ଞାନ ଉପାଧି ପତ୍ର

୨୦୦୩ ମସିହା ଅପ୍ରେଲ ମାସରେ ଅନୁଷ୍ଠିତ

ବିଜ୍ଞାନ ବିଭାଗ

ଉପାଧି ପରୀକ୍ଷାରେ କମ୍ପୁଟର ବିଜ୍ଞାନ ରେ ଉତ୍ତୀର୍ଣ୍ଣ

ମାହେନ୍ଦ୍ରନାଥ ଦ୍ୱିବେଦୀ

ଅଦ୍ୟ ଏହି ଉପାଧି ପ୍ରଦତ୍ତ ହେଲା ।

ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ ବାଣୀ ବିହାର ଭୁବନେଶ୍ୱର

ଉପକୁଳପତି

ତା ୧୫ ଡିସେମ୍ବର ୨୦୦୩

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No. VSSUT/2013/003

Regd. No. 09060011

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Biswaranjan Nayak

Who has successfully completed the prescribed requirements for award of this degree in the year 2013.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2013.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2018/009

Regd. No. 14060005

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

Rahul Ranjan

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

*Vice-Chancellor*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No. VSSUT/2018/011

Regd. No. 140600070

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Aditya Narayan Das

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No.....11173

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**DAKSHYA PRASAD PATI**

Registration No : 1471012247

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended

the thesis entitled :

**"Analyze the significance of big data on the IoT"**

in the year 2018

ATTESTED

Date 28 APR 2018

Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

Sl. No. 11173

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**BASUDEV NATH**

Registration No : 1471012741

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Evaluate the adaptive systems and models at runtime"**

in the year 2018

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date 28 APR 2018

CONTROLLER OF EXAMINATIONS

Sl. No. VSSUT/2018/012

Rogd. No. 140600016

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Sibananda Behera

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

*Vice-Chancellor*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No. VSSUT/2018/044

Regd. No. 14060096

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Simantika Ray

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2018/072

Regd. No. 140600076

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Subhra Swetanisha

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. 1[illegible]

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**ARPITA NIBEDITA**

Registration No : 1471012699

has completed all the prescribed requirements and possesses the proficiency for the award of degree of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Pattern Recognition And Machine Learning"**

in the year 2018

Date 28 APR 2018

CONTROLLER OF EXAMINATIONS

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No. 1[illegible]

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

ARUN KUMAR PRADHAN

Registration No : 1471012041

has completed all the prescribed requirements and possesses the proficiency for the award of degree of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Real-time image detection in videos"**

in the year 2018

Date: 28 APR 2018

CONTROLLER OF EXAMINATIONS

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No.....13173

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**MONALISA ROUT**

Registration No : 16710125487

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended

the thesis entitled :

**"Wheat Rust Detection Using Deeplearning"**

in the year 2018

Date 28 APR 2019

CONTROLLER OF EXAMINATIONS

Principal
Trident Academy of Technology
Bhubaneswar-751024

ATTESTED

Sl. No. 13137

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**SASHI BHUSAN PARIDA**

Registration No : 1571013117

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Discuss the significance of the IoT-based supply chains"**

in the year 2019

Date 28 APR 2019

Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

ATTESTED

Sl. No. 13133

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**SUDHANSU RANJAN LENKA**

Registration No : 1571013879

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended

the thesis entitled :

**"Development of an effective credit scoring model using Artificial Intelgency for financial sector"**

in the year 2019

Date 28 APR 2019

Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

ATTESTED

Sl. No ....15117

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**SASMITA MISHRA**

Registration No : 1571015588

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended

the thesis entitled :

**"Discuss the working of ultra-power IoT technologies"**

in the year 2019

ATTESTED

Date 28 APR 2019

Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

Sl. No. 13[illegible]

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

BHUBANESWAR, ODISHA

## PROVISIONAL CERTIFICATE

**ABHISPA PATTNAIK**

Registration No : 1871012659

has completed all the prescribed requirements and possesses the proficiency for the award of degree of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Resources Management Polices in Cloud Environment"**

in the year 2022

Date 28.11.2022

CONTROLLER OF EXAMINATIONS

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No. VSSUT/2022/032

Regd. No. 180600076

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Shyamalendu Pati

Who has successfully completed the prescribed requirements for award of this degree in the year 2022.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2022

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2023/007

Regd. No. 190800170

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Ch. Biswaranjan Nanda

Who has successfully completed the prescribed requirements for award of this degree in the year 2023.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2023.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2018/018

Regd. No. 14050021

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Satya Sundar Mishra

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. 11133

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**RABITEJA PATRA**

Registration No : 1471012045

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended
the thesis entitled :

**"Wireless communication and mobile computing"**

in the year 2018

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date: 28 APR 2018

CONTROLLER OF EXAMINATIONS

Sl. No. VSSUT/2019/013

Regd. No. 15060055

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Electrical Engineering*

*on*

## Yashobanta Panda

Who has successfully completed the prescribed requirements for award of this degree in the year 2019.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2019.

Siddhi Vihar, Burla
Sambalpur - 768 018
Odisha, India

Vice-Chancellor

Principal
Indest Academy of Technology

20120071

# Jadavpur University

Certified that

**Sri Deba Narayan Pattanayak**

was admitted to the Degree of **Doctor of Philosophy in Engineering** of this University on 11/05/2012 and that the degree was conferred on him / her at the Convocation held in December 2012 with all the Rights and Privileges thereto appertaining.

In Witness whereof the Signature of the Vice-Chancellor of **Jadavpur University** is hereunto affixed.

JADAVPUR UNIVERSITY
The 24th December, 2012

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No. VSSUT/2016/026

Regd. No. 12060015

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Electrical and Electronics Engineering*

*on*

## Pradeepta Kumar Sahoo

Who has successfully completed the prescribed requirements for award of this degree in the year 2016.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2016.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Engineering

*on*

## Mir Manjur Elahi

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date : 1 3 FEB 2019

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela

[redacted] [redacted]

*On recommendation of the Board of* ***Management,***

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Engineering

*on*

## Shitya Ranjan Das

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024
[redacted]

Date : 13 FEB 2019

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Engineering

*on*

## Lohit Kumar Sahoo

*who has successfully completed the prescribed requirements*

*in the academic year 2016-17*

*Given at Rourkela on this day under the seal of the University.*

Date : 13 FEB 2018

ATTESTED

Principal
Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Engineering

*on*

## Rabindra Bhojray

*who has successfully completed the prescribed requirements*

*in the academic year 2003-04*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal

Trident Academy of Technology

[redacted]eswar-751024

Date : 18 MAR 2004

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of* ***Management,***

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Engineering

*on*

## Shuvendra Kumar Tripathy

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
Bhu[redacted]-751024

Date : 13 FEB 2019

Vice-Chancellor

Sl. No. VSSUT/2018/014

Regd. No. 14060115

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Electronics and Communications Engineering*

*on*

## Millee Panigrahi

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2016/044 Regd. No. 12040105

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Electronics and Communications Engineering*

*on*

## Rina Mahakud

Who has successfully completed the prescribed requirements for award of this degree in the year 2016.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2016.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

# Biju Patnaik University of Technology, Odisha

Rourkela

[redacted] [redacted]

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Engineering

*on*

## Satyanarayan Rath

*who has successfully completed the prescribed requirements*

*in the academic year 2016-17*

*Given at Rourkela on this day under the seal of the University.*

Date : 13 FEB 2018

ATTESTED

Principal
Trident Academy of Technology
[redacted]-751024

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela

[redacted] [redacted]

*On recommendation of the Board of* ***Management,***

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Engineering

*on*

## Minu Samantaray

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
B[redacted]var-751024

Date : 13 FEB 2019

*Vice-Chancellor*

Sl. No. VSSUT/2018/017 Regd. No. 140400110

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Electronics and Communications Engineering*

*on*

## Md Rizwan Khan

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

1800035 16/2014

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Sumanta Kumar Mohapatra**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* Electronics Science , *under the Faculty of* Science and Technology *held in the month of April, 2018, was this day admitted to the degree.*

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 19th August, 2018

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

H7D000088

# Jadavpur University

*Certified that*

**Madhusmita Mohanty**

*was admitted to the Degree of* Doctor of Philosophy in Engineering *of this University on* 27.06.2016 *and that the degree was conferred on him / her at the Convocation held in December* 2016 *with all the Rights and Privileges thereto appertaining.*

*In Witness whereof the Signature of the Vice-Chancellor of* Jadavpur University *is hereunto affixed.*

JADAVPUR UNIVERSITY
The 24th December, 2016

Sanjay Das
Vice-Chancellor

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No. VSSUT/2018/027

Regd. No. 140400145

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Electronics and Communications Engineering*

*on*

Biswa Ranjan Swain

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

*Vice-Chancellor*

ATTESTED

Trident Academy of Technology
Bhubaneswar-751024

Biju Patnaik [illegible] of Technology, Odisha

[illegible] Management,

hereby [illegible] degree of

# Doctor of Philosophy

*in*

## Engineering

*on*

## Kaliprasanna Swain

*who has successfully completed the prescribed requirements*
*in the academic year 2021-22*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Trident Academy of Technology
Bhubaneswar-751024

Principal
Trident Academy of Technology
Bhubaneswar-751024

ATTESTED

Vice Chancellor

C V Raman Global University, Odisha
Bhubaneswar, India
www.cgu-odisha.ac.in

/PC/ 3595

PROVISIONAL CERTIFICATE

PRASANTA KUMAR PATI
Registration Number: 21080012

of

C V Raman Global University
Odisha

has successfully completed the prescribed requirements

for the award of

**Doctor of Philosophy**

in

**MATHEMATICS**

Viva-Voce and Defence Examination held on 10.04.2024

Title of the Thesis: Evaluation of shortest path problems under Fuzzy Environment

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

DATE: 10.04.2024

Dean Research Programmes

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

...

...

...

Sl.No. : 2015408

UTKAL UNIVERSITY

# Utkal University

## ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DIPLOMA FOR DOCTOR OF PHILOSOPHY (Ph.D.)

## ବିଭୂଷଣ ଉପାଧି ପତ୍ର

*This is to certify that* **CHANDAN KUMAR DAS**

*who passed the Examination for the degree of*

*in* **Physics** *under the Faculty of* **Science & Technology**

*held in the month of* **March 2014** *was this day admitted to the Degree.*

୨୦୧୪ ମସିହା ମାର୍ଚ୍ଚ ମାସରେ ଅନୁଷ୍ଠିତ ବିଜ୍ଞାନ ଓ ପ୍ରଯୁକ୍ତି ବିଦ୍ୟା ବିଭୂଷଣ ଉପାଧି ପରୀକ୍ଷାରେ

ପଦାର୍ଥ ବିଜ୍ଞାନ ରେ ଉତ୍ତୀର୍ଣ୍ଣ ଚନ୍ଦନ କୁମାର ଦାସ କୁ ଅଦ୍ୟ ଏହି ଉପାଧି ପ୍ରଦତ୍ତ ହେଇଛି ।

Vani Vihar, Bhubaneswar
Odisha, India
The 21st February, 2015

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar

Vice-Chancellor

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

354

Letter No. 127
Dated 07.2.2017

UTKAL UNIVERSITY
VANI VIHAR BHUBANESWAR-751004

# PROVISIONAL CERTIFICATE

This is to certify that ..Sanjita Mohanty.....
.....
Regd No. 03-Chemistry-2003-04 is declared to be qualified for the award of Ph.D. / ~~D.Sc.~~ in .....Chemistry.....
.....Examination held in the year .....2017.....from Utkal University, Vani Vihar, Bhubaneswar.

07.2.2017
Checked By
07/2/17

Section Officer

Dy. Controller of Examinations
13/2/17

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

1600026 44/2012

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Pradeepta Kumar Nayak**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* English , *under the Faculty of* Humanities & Social Science *held in the month of April, 2016, was this day admitted to the degree.*

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 19th August, 2016

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

1100114

04/2011

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Sidhartha S. Mohapatra**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* **Mathematics** *, under the Faculty of* **Humanities & Social Science**

*held in the month of April, 2015, was this day admitted to the degree.*

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 19th August, 2015

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

H8D000024

# Jadavpur University

*Certified that*

**Namita Mohanty**

*was admitted to the Degree of* **Doctor of Philosophy in English** *of this University on* **27.06.2018** *and that the degree was conferred on him / her at the Convocation held in December 2018 with all the Rights and Privileges thereto appertaining.*

*In Witness whereof the Signature of the Vice-Chancellor of* **Jadavpur University** *is hereunto affixed.*

JADAVPUR UNIVERSITY
The 24th December, 2018

ATTESTED
Principal
Trident Academy of Technology

Sanjay Das
*Vice-Chancellor*

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## English

*on*

## Manoj Kumar Swain

*who has successfully completed the prescribed requirements*

*in the academic year 2015-16*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date: 13 FEB 2016

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela

[redacted] [redacted]

*On recommendation of the Board of* ***Management,***

*hereby confers the degree of*

## Doctor of Philosophy

*in*

**Physics**

*on*

## Sujata Mohanty

***who has successfully completed the prescribed requirements***

***in the academic year 2016-17***

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
B[redacted]var-751024

**Date :** 1 3 FEB 2018

*Vice-Chancellor*

18000098 112/2015

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Swetashree Pattnaik**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* **Chemistry** *under the Faculty of* **Basic Science and Humanities** *held in the month of July,* **2018,** *was this day admitted to the degree.*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 12th April, 2019

Vice-Chancellor

1900087

142/2015

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Hemanta Kumar Mishra**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in Mathematics, under the Faculty of Basic Science and Humanities held in the month of July, 2019, was this day admitted to the degree.*

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 12th April, 2020

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

H6D000011

# Jadavpur University

*Certified that*

**Diptimayee Sahoo**

*was admitted to the Degree of* **Doctor of Philosophy in English** *of this University on* **27.06.2016** *and that the degree was conferred on him / her at the Convocation held in December* 2016 *with all the Rights and Privileges thereto appertaining.*

*In Witness whereof the Signature of the Vice-Chancellor of* **Jadavpur University** *is hereunto affixed.*

JADAVPUR UNIVERSITY
The 24th December, 2016

Sucarjan Das
*Vice-Chancellor*

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

20190082

# Jadavpur University

*Certified that*

**Ashok Kumar Sahoo**

*was admitted to the Degree of* **Doctor of Philosophy in Mathematics** *of this University on* 27.06.2019 *and that the degree was conferred on him / her at the Convocation held in December 2019 with all the Rights and Privileges thereto appertaining.*

*In Witness whereof the Signature of the Vice-Chancellor of* **Jadavpur University** *is hereunto affixed.*

JADAVPUR UNIVERSITY
The 24th December 2019

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

Sl. No.....11113

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**PRANATI MOHAPATRA**

Registration No : 1471014659

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended

the thesis entitled :

**"Foreign Direct Investment and Economic Growth"**

in the year 2018

ATTESTED

Date 26 APR 2018

Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*
*hereby confers the degree of*

## Doctor of Philosophy

*in*

**English**

*on*

## Manoj Kumar Rath

*who has successfully completed the prescribed requirements*
*in the academic year 2018-19*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Date: 13 FEB 2019

Vice-Chancellor

Sl. No. 17197

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**BIMAL PRASAD MOHAPATRA**

Registration No : 1771012001

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Pedagogical and Psychological Means of Improving Classroom Teaching at Higher Secondary Level"**

in the year 2022

ATTESTED

Date 28 APR 2022

Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

Sl. No ....17139

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**SAKYA SINGH SATAPATHY**

Registration No : 1771014219

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended

the thesis entitled :

**"The study of algorithms for solving mathematical problems numerically, such as solving differential equations, optimization problems, and linear systems"**

in the year 2022

ATTESTED

Principal

Trident Academy of Technology

Bhubaneswar-751024

Date 28 APR 2022

CONTROLLER OF EXAMINATIONS

Sl. No.....12133

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**CHANDRAMALLI MISHRA**

Registration No : 1871015531

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended

the thesis entitled :

**"Illustrations of masculinity: A comparative study between pre-independence and post-independence Indian novels"**

in the year 2022

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date 28 APR 2022

CONTROLLER OF EXAMINATIONS

Sl. No. 17131

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**TUSHAR RANJAN PANDA**

Registration No : 1871013659

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended the thesis entitled :

**"Between tradition and modernity: Through the lens of Tagore's Gora"**

in the year 2022

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date 28 APR 2022

CONTROLLER OF EXAMINATIONS

Roll No. PhD2018301

# Utkal University

## Degree of Doctor of Philosophy

*This is to certify that*

**SABYASACHI DEY**

*has been this day admitted to the degree of*

**DOCTOR OF PHILOSOPHY**

*in* **Business Administration**

*under the faculty of*

**Business Studies & Management**

## ବିଦ୍ୟା ବିଭୂଷଣ ଯୋଗ୍ୟତା ପତ୍ର

ବ୍ୟବସାୟ ଓ ପରିଚାଳନା ବିଦ୍ୟା କ୍ଷେତ୍ରରେ

ବ୍ୟବସାୟ ପ୍ରଶାସନ ବିଷୟରେ

ସବ୍ୟସାଚୀ ଦେ ଙ୍କୁ

ଅଦ୍ୟ ଏହି ବିଦ୍ୟା ବିଭୂଷଣ ଉପାଧି ପ୍ରଦତ୍ତ ହେଲା।

ଗୌରେନ୍ଦ୍ର ବେହେରୁଜ

କୁଳପତି

*The 29th March, 2019*

*Utkal University,*

*Vani Vihar, Bhubaneswar,*

*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice Chancellor

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

# Utkal University

No. [illegible]

## UTKAL UNIVERSITY

DIPLOMA OF DOCTOR OF PHILOSOPHY (Ph.D.)

This is to certify that

**AMARENDRA BARAL**

Who passed the examination for the degree of

DOCTOR OF PHILOSOPHY

**MATHEMATICS** held in the

month of **JULY** **2005**, was this day

admitted to the degree

UTKAL UNIVERSITY
VANI VIHAR
BHUBANESWAR

The Dt. 03 -12-2006

ATTESTED

Trident Academy of Technology
Bhubaneswar-751024

## ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ

### ବିଲୁପ୍ତଣ ଛପାଏ ପତ୍ର

୨୦୦୫ ମସିହା ଜୁଲାଇ ମାସରେ ଅନୁଷ୍ଠିତ

ବିଜ୍ଞାନ ବିଲୁପ୍ତଣ

ଛପାଏ ପରୀକ୍ଷାରେ ଗଣିତ ଶାସ୍ତ୍ର ରେ ଉତ୍ତୀର୍ଣ୍ଣ

ଅମରେନ୍ଦ୍ର ବରାଳ

ଙ୍କୁ ଏହି ଛପାଏ ପ୍ରଦତ୍ତ ହେଲା ।

ଉତ୍କଳ
ବିଶ୍ୱବିଦ୍ୟାଳୟ
ବାଣୀ ବିହାର
ଭୁବନେଶ୍ୱର

ତାରିଖ. ୦୦ ୦୨

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-75

Sl. No. VSSUT/2017/042

Regd. No. 13050036

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Nani Gopal Das

Who has successfully completed the prescribed requirements for award of this degree in the year 2017.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2017.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

1500031

54/2015

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Pramod Kumar Sethy**

*having passed the examination for the degree of*

# Doctor of Philosophy

*in* Information Technology , *under the Faculty of* Science and Technology *held in the month of April, 2019, was this day admitted to the degree.*

ATTESTED

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Principal
Trident Academy of Technology
Bhubaneswar-751024

JYOTI VIHAR, BURLA
ODISHA, INDIA

The 19th August 2019

Sl. No. 11113

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**RANJEEP PRADHAN**

Registration No : 1471013889

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended

the thesis entitled :

**"Evaluate the IoT and 5G networks"**

in the year 2018

ATTESTED

Principal

Trident Academy of Technology

Bhubaneswar-751024

Date 28 APR 2018

CONTROLLER OF EXAMINATIONS

Sl. No ....13911

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**ASHISH KUMAR BARIK**

Registration No : 1671013741

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Explore the applications of big data in tourism"**

in the year 2020

Date: 30 APR 2020

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

Sl. No. VSSUT/2020/032

Regd. No. 16080076

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Pradyumna Kumar Nayak

Who has successfully completed the prescribed requirements for award of this degree in the year 2020.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2020.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Business Administration

*on*

## Ashok Kumar Rath

*who has successfully completed the prescribed requirements*

*in the academic year 1999-2000*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date : 11 FEB 2000

*Vice-Chancellor*

# Utkal University

## Degree of Doctor of Philosophy

It is hereby certify that

MANAS RANJAN CHOWDHURY

has been admitted to the degree of

DOCTOR OF PHILOSOPHY

in Business Administration

under the faculty of

Business Studies & Management

ବିଦ୍ୟା ବିଭୂଷଣ ଯୋଗ୍ୟତା ପତ୍ର

ବ୍ୟବସାୟ ଓ ପରିଚାଳନା ବିଦ୍ୟା କ୍ଷେତ୍ରରେ

ବ୍ୟବସାୟ ପ୍ରଶାସନ ବିଷୟରେ

ମାନସ ରଞ୍ଜନ ଚୌଧୁରୀ ଙ୍କୁ

ପ୍ରଦାନ କରି ବିଦ୍ୟା ବିଭୂଷଣ ଉପାଧି ପ୍ରଦାନ କରେଳା।

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Business Administration

*on*

## Sonam Subhadarshini

*who has successfully completed the prescribed requirements*

*in the academic year 2018-19*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date : 13 FEB 2019

Vice-Chancellor

# RAVENSHAW UNIVERSITY
# CUTTACK

Notification No. Exam. Ph.D/ Management - 162 / 2015 Dated 29.06.2015

## THE DEGREE OF DOCTOR OF PHILOSOPHY IN MANAGEMENT

**Nargis Begum Ph.D Registration No. 02-MGT-2007-08 is declared to have qualified for the award of Ph.D Degree in Management under Ravenshaw University, Cuttack, Odisha. The title of the thesis is "SOCIAL ACCOUNTABILITY OF CORPORATE SECTOR : A COMPARATIVE STUDY OF TATA STEEL AND NALCO ".**

CONTROLLER OF EXAMINATIONS

**Memo No. Exam Ph D/ Management- 163 (16)/ 2015 Dated. 29.06.2015**

Copy forwarded to

1. Mrs. Nargis Begum, W/o-Sk. Sahanawaj Ahmed, Plot No. 2289, Near Bhubaneswar Hotel, Cuttack Road, Bhubaneswar-751 006
2. Dr. Sanjay Kumar Satapathy, Reader in Commerce, Ravenshaw University, Cuttack ( Supervisor )
3. Dr. Harekrushna Swain, Professor of PMIR, Utkal University, Bhubaneswar (Co-Supervisor)
4. Prof. Kartick Chandra Paul, Dept. of Business Administration, Vidyasagar University, Midnapore-721 102, West Bengal, India (External Examiner)
5. Prof. Lalit Prakash Pateriya, Dept. of Management Studies, Guru Ghasidas University, Bilaspur (C.G) (External Examiner)
6. Head of Department & Chairman, BOS, Department of Commerce, Ravenshaw University, Cuttack
7. The Director of Printing, Publication, Stationeries, Orissa Govt. Press, Cuttack for favour of publication in the next issue of the Orissa Gazette.
8. The Secretary, University Grants Commission (UGC), Bahadur Shah Zafar Marg, New Delhi, Pin 110 002, India
9. The Secretary, Association of Indian Universities, AIU House 16, Kotla Marg, New Delhi-110002
10. The Librarian, Association of Indian Universities, AIU House 16, Kotla Marg, New Delhi-110002
11. The Editor, University News, Association of Indian Universities, AIU House 16, Kotla Marg, New Delhi, 110002
12. The Director , Higher Education, Orissa , Bhubaneswar for information.
13. The Director, Ravenshaw Knowledge Centre, Ravenshaw University, Cuttack
14. OSD to Hon'ble Vice Chancellor
15. Steno to Hon'ble Vice Chancellor
16. Guard File (5 copies)

CONTROLLER OF EXAMINATIONS

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

# Biju Patnaik University of Technology, Odisha

Rourkela







*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Computer Applications

*on*

## Kaustuva Chandra Dev

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*



ATTESTED

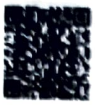
Principal
Trident Academy of Technology
Bhubaneswar-751024

Date : 13 FEB 2019

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela







*On recommendation of the Board of* ***Management,***

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Computer Applications

*on*

## Sanjeev Narayan Bal

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*



ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date : 13 FEB 2019

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela

[redacted] [redacted]

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Computer Applications

*on*

## Ashok Kumar Sahoo

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
Bh[redacted]ar-751024

Date : 13 FEB 2019

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela

On recommendation of the Board of Management,

hereby confers the degree of

## Doctor of Philosophy

*in*

## Computer Applications

*on*

## Dipalika Das

*who has successfully completed the prescribed requirements*

*in the academic year 2018-19*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal

Trident Academy of Technology

Bhubaneswar-751024

Date : 13 FEB 2019

Vice-Chancellor

Sl. No. 1111

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**KALYANI PRADHAN**

Registration No : 1471012058

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended the thesis entitled :

**"Manufacturing processes and engineering economics"**

in the year 2018

ATTESTED

Date: 28 APR 2018

Principal
Trident Academy of Technology
Bhubaneswar 751024

CONTROLLER OF EXAMINATIONS

2000026 52/2016

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Diptiranjan Panda**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* Mechanical Engineering , *under the Faculty of* Science and Technology *held in the month of April, 2020, was this day admitted to the degree.*

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 19th August, 2020

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

H7D000058

# Jadavpur University

*Certified that*

## Akshaya Kumar Nayak

*was admitted to the Degree of* Doctor of Philosophy in Engineering *of the University on* 27.06.2017 *and that the degree was conferred on him here at the Convocation held in December 2017 with all the Rights and Privileges thereto appertaining.*

*In Witness whereof the Signature of the Vice-Chancellor of* Jadavpur University *is hereunto affixed.*

JADAVPUR UNIVERSITY
The 24th December, 2017

ATTESTED

Trident Academy of Technology
Bhubaneswar-751024

ATTESTED

Vice-Chancellor

Principal
Trident Academy of Technology
Bhubaneswar-751024

[illegible] 110/2009

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Ajay Kumar Sahoo**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* **Mechanical Engineering,** *under the Faculty of* **Science and Technology** *held in the month of April, 2017, was this day admitted to the degree.*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

JYOTI VIHAR, BURLA
ODISHA, INDIA

The 6th January, 2018

Vice-Chancellor

No. - PHD1400003

Reg. No. - 10365617424

# KIIT UNIVERSITY

(Declared deemed to be University under section 3 of the UGC Act, 1956)
BHUBANESWAR



Upon recommendation of the Academic Council hereby confers the Degree of

## DOCTOR OF PHILOSOPHY

in

## Computer Science & Engineering

on

## Padmabati Chand

who has successfully completed the course of study in year 2014 as prescribed under the regulations

The title of the thesis being "Optimal Solution of Vehicle Routing Problem Using Multi-Objective Evolutionary Algorithms"

Given under the seal of KIIT University in the Republic of India on the eighth day of November Two Thousand Fourteen

Registrar

Vice - Chancellor

Chancellor

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

To e-Verify the authenticity of this certificate visit : www.kiit.ac.in

Ph. D: No: 00382 Estt. No. 6100/20-8-04.

# Berhampur University

DIPLOMA FOR DOCTOR OF PHILOSOPHY

This is to certify that

Sakuntala Mahapatra

who passed the examination

for the degree of

**DOCTOR OF PHILOSOPHY**

in Electronic Science

held in the month of August, 2004.

was this day admitted to the degree.

BERHAMPUR UNIVERSITY, BHANJA BIHAR,
BERHAMPUR-760 007.

Dated The 18 FEB 2006.

Vice-Chancellor

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

SECTARY/D.R

# Utkal University

No. 104

UTKAL UNIVERSITY

DIPLOMA FOR DOCTOR OF PHILOSOPHY (Ph. D.)

This is to certify that

Prasat Kumar Mohanty

who has passed the examination for the degree of

DOCTOR OF PHILOSOPHY

in Personnel Management & Labour Welfare

of November, 1987, was this day admitted to the degree.

UTKAL UNIVERSITY
VANI VIHAR
BHUBANESWAR
The 5th December 1988.

Vice-Chancellor

# ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ

ବିଭୂଷଣ ଉପାଧି ପତ୍ର

୧୯୮୭ ମସିହା ନଭେମ୍ବର ମାସରେ ଅନୁଷ୍ଠିତ

ଦଳ ବିଭୂଷଣ

ଉପାଧି ପରୀକ୍ଷାରେ ବ୍ୟକ୍ତିପରିଚାଳନା ଓ ଶ୍ରମ କଲ୍ୟାଣରେ ଉତ୍ତୀର୍ଣ୍ଣ

ପ୍ରଭାତ କୁମାର ମହାନ୍ତି କଂ.

ଅଦ୍ୟ ଏହି ଉପାଧି ପ୍ରଦତ୍ତ ହେଲା ।

ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ
ବାଣୀ ବିହାର
ଭୁବନେଶ୍ୱର
୫ । ୧୨ । ୧୯୮୮

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

କୁଳପତି

# TRIDENT ACADEMY OF TECHNOLOGY

# 2021-22

| Sl.No. | Name | Designation | Name of the Department | Highest Qualification (NET/SET/SLET/ Ph. D./D.Sc. / D.Litt./L.L.D. ) and Year of obtaining |
|---|---|---|---|---|
| 1 | Dr. Arup Sarkar | Professor | BIOTECH | Ph.D,2009 |
| 2 | Dr. Deoraj Sharma | Associate Professor | BIOTECH | Ph.D,2013 |
| 3 | Dr.Anshuman Sarangi | Associate Professor | BIOTECH | Ph.D,2017 |
| 4 | Dr. Ashok Sarangi | Assistant Professor. | BIOTECH | Ph.D,2018 |
| 5 | Dr. Sanjay Kumar Behera | Associate Professor | CIVIL | Ph.D,2018 |
| 7 | Dr.Roma Sahoo | Assistant Professor | CIVIL | Ph.D,2018 |
| 8 | Dr. Subhra Swetanisha | Associate Professor | CS-AIML | Ph.D,2018 |
| 9 | Dr. Sumati Baral | Assistant Professor | CS-AIML | Ph.D,2019 |
| 10 | Dr. Pratiti Mishra | Assistant Professor | CS-AIML | Ph.D,2018 |
| 11 | Dr. Rekha Sahu | Assistant Professor | CS-AIML | Ph.D,2016 |
| 12 | Dr. Abhaya Kumar Samal | Professor | CSE | Ph.D 2013 |
| 13 | Dr. Rabi Narayan Satpathy | Professor | CSE | Ph.D, 2004 |
| 14 | Dr. Mahendra Nath Dwibedi | Professor | CSE | Ph.D, 2003 |
| 15 | Dr. Biswaranjan Nayak | Professor | CSE | Ph.D,2013 |
| 16 | Dr. Satya Ranjan Biswal | Associate Professor | CSE | Ph.D,2019 |
| 17 | Dr. Pragyan Paramita Das | Assistant Professor | CSE | Ph.D,2018 |
| 18 | Dr. Sashi Bhusan Parida | Assistant Professor | CSE | Ph.D,2019 |
| 19 | Dr. Sudhansu Ranjan Lenka | Associate Professor | CSE | Ph.D,2019 |
| 20 | Dr. Sasmita Mishra | Associate Professor | CSE | Ph.D,2019 |
| 21 | Dr. Dakshya Prasad Pati | Associate Professor | CSE | Ph.D,2018 |
| 22 | Dr. Basudev Nath | Associate Professor | CSE | Ph.D,2018 |
| 23 | Dr. Sibananda Behera | Associate Professor | CSE | Ph.D,2018 |

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

| | | | | |
|---|---|---|---|---|
| 24 | Dr. Simantika Ray | Associate Professor | CSE | Ph.D,2018 |
| 25 | Dr. Dayal Kumar Behera | Assistant Professor | CSE | Ph.D,2018 |
| 26 | Dr.Ranjeep Pradhan | Assistant Professor | CSE | Ph.D,2018 |
| 27 | Dr. Rahul Ranjan | Associate Professor | CSE | Ph.D,2018 |
| 28 | Dr. Aditya Narayan Das | Assistant Professor | CSE | Ph.D,2018 |
| 29 | Dr.Mohini Mishra | Assistant Professor | IT | Ph.D,2018 |
| 30 | Dr.Pramod Kumar Sethy | Assistant Professor | IT | Ph.D,2018 |
| 31 | Dr.Sumitra Ojha | Assistant Professor | CSE | Ph.D,2018 |
| 32 | Dr. Pradipta Kumar Mishra | Assistant Professor | CSE | Ph.D,2019 |
| 33 | Dr. Padmabati Chand | Professor | CST | Ph.D, 2014 |
| 34 | Dr. Arpita Nibedita | Associate Professor | CSE | Ph.D,2018 |
| 35 | Dr.Arun Kumar Pradhan | Associate Professor | CST | Ph.D,2018 |
| 36 | Dr. Monalisa Rout | Assistant Professor | CST | Ph.D,2018 |
| 37 | Dr. Yasbonata Panda | Associate Professor | EE | Ph.D,2019 |
| 38 | Dr. Deba Narayan Pattnaik | Professor | EE | Ph.D,2012 |
| 39 | Dr. P K Sahoo | Professor | EEE | Ph.D,2016 |
| 40 | Dr. Sitya Ranjan Dash | Associate Professor | EEE | Ph.D,2018 |
| 41 | Dr. Lohit Ku.Sahoo | Assistant Professor | EEE | Ph.D,2017 |
| 42 | Dr. Mir Manjur Elahi | Assistant Professor | EEE | Ph.D,2018 |
| 43 | Dr. Sakuntala Mahapatra | Professor | ETC | Ph.D,2004 |
| 44 | Dr. Rabindra Bhojray | Associate Professor | ETC | Ph.D,2018 |
| 45 | Dr. Millee Panigrahi | Associate Professor | ETC | Ph.D,2018 |
| 46 | Dr. Md. Rizwan Khan | Associate Professor | ETC | Ph.D,2018 |
| 47 | Dr. Rina Mahakud | Assistant Professor | ETC | Ph.D,2016 |
| 48 | Dr. Sumanta Kumar Mohapatra | Assistant Professor | ETC | Ph.D,2018 |
| 49 | Dr. Madhusmita Mohanty | Assistant Professor | ETC | Ph.D,2016 |
| 50 | Dr. Shuvendra Kumar Tripathy | Assistant Professor | ETC | Ph.D,2018 |
| 51 | Dr. Satya Narayan Rath | Assistant Professor | ETC | Ph.D,2017 |
| 52 | Dr. Minu Samantaray | Assistant Professor | ETC | Ph.D,2018 |
| 54 | Dr.Amarendra Baral. | Professor | H & S | Ph.D,2005 |



ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

| | | | | |
|---|---|---|---|---|
| 55 | Dr Manas Ranjan Senapati. | Professor | H & S | Ph.D,1993 |
| 56 | Dr. Chandan kumar Das. | Professor | H & S | Ph.D,2014 |
| 57 | Dr Sanjita Mohanty. | Associate Professor | H & S | Ph.D,2017 |
| 58 | Dr Pradeepta kumar Nayak | Associate Professor | H & S | Ph.D,2016 |
| 59 | Dr Sidhartha S. Mohapatra | Associate Professor | H & S | Ph.D,2015 |
| 60 | Dr Namita Mohanty | Associate Professor | H & S | Ph.D,2018 |
| 61 | Dr.Manoj Kumar Swain | Associate Professor | H & S | Ph.D,2016 |
| 62 | Dr Sujata Mohanty. | Associate Professor | H & S | Ph.D,2017 |
| 63 | Dr. Swetashree pattnaik | Associate Professor | H & S | Ph.D,2018 |
| 64 | Dr Hemanta Kumar Mishra | Associate Professor | H & S | Ph.D,2019 |
| 65 | Dr. Diptimayee Sahoo | Associate Professor | H & S | Ph.D,2016 |
| 66 | Dr Ashok kumar Sahu. | Assistant Professor | H & S | Ph.D,2019 |
| 67 | Dr. Pranati Mohapatra | Assistant Professor | H & S | Ph.D,2018 |
| 68 | Dr. Manoj Kumar Rath | Assistant Professor | H & S | Ph.D,2019 |
| 69 | Dr. Bimal Prasad Mohapatra | Assistant Professor | H & S | Ph.D,2022 |
| 70 | Dr. Nani Gopal Das | Associate Professor | IT | Ph.D,2017 |
| 71 | Dr. Santosh Kumar Sahu | Associate Professor | IT | Ph.D,2018 |
| 72 | Dr. Soubhagya Kumar Mallick | Assistant Professor | IT | Ph.D,2018 |
| 73 | Dr. Rabinarayan Mohanty | Assistant Professor | IT | Ph.D,2018 |
| 74 | Dr. Ashish Kumar Barik | Asst. Prof | IT | Ph.D,2020 |
| 75 | Dr.Pradyumna Kumar Nayak | Assistant Professor | IT | PhD,2020 |
| 76 | Dr. Ashok Kumar Rath | Professor | MBA | Ph.D,2000 |
| 77 | Dr. Manas Ranjan Choudhury | Assistant Professor | MBA | Ph.D,2018 |
| 78 | Dr, Nargis Begum | Associate Professor | MBA | Ph.D,2015 |
| 79 | Dr. Sonam Subhadarshini | Assistant Professor | MBA | Ph.D,2019 |
| 80 | Dr. Kaustuva Chandra Dev | Professor | MCA | Ph.D,2018 |



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Principal
Trident Academy of Technology
Bhubaneswar-751024

| | | | | |
|---|---|---|---|---|
| 81 | Dr. Sanjeev Narayan Bal | Associate Professor | MCA | Ph.D,2018 |
| 82 | Dr. Dipalika Das | Assistant Professor | MCA | Ph.D,2019 |
| 83 | Dr.Ashok Kumar Sahoo | Assistant Professor | MCA | Ph.D,2018 |
| 84 | Dr. Ajay Kumar Sahoo | Professor | Mechanical | Ph.D,2017 |
| 85 | Dr. Akshaya Kumar Nayak | Associate Professor | Mechanical | Ph.D,2017 |
| 86 | Dr. Kalyani Pradhan | Asso. Prof. | Mechanical | Ph.D,2018 |
| 87 | Dr. Diptiranjan Panda | Assistant Professor | Mechanical | Ph.D,2020 |

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No.....

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**ASHOK SARANGI**

Registration No : 1471013149

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended

the thesis entitled :

**"Nanotechnology is a new technology that can be applied to DNA genotyping"**

in the year 2018

Date 28 APR 2018

CONTROLLER OF EXAMINATIONS

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

# Promotionsurkunde

Die Technisch-Naturwissenschaftliche Fakultät der Universität zu Lübeck
verleiht

unter der Präsidentschaft
des Professors Dr. med. Peter Dominiak
und unter dem Dekanat
des Professors Dr. rer. nat. Jürgen Prestin

## Herr Arup Sarkar, M. Sc.

geboren am 06. Juli 1976 in Kolkata, Indien

den Grad eines

## Doktors der Naturwissenschaften

(Dr. rer. nat.)

nachdem er im ordentlichen Promotionsverfahren
durch die mit cum laude beurteilte Dissertation

**„Multiple Facets of Neutrophil Apoptosis Modulation by the Intracellular Pathogens *Anaplasma phagocytophilum Chlamydia pneumoniae* and *Leishmania major*"**

sowie in einer mündlichen Doktorprüfung
seine wissenschaftliche Befähigung erwiesen

und danach die
Gesamtbeurteilung cum laude (Gesamtnote: 2,0)
erhalten hat

Lübeck, 18. November 2009

Der Dekan

Prof. Dr. rer. nat. Jürgen Prestin

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

PhD2018134

# Utkal University

ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ

## Degree of Doctor of Philosophy

*This is to certify that*

**ANSHUMAN SARANGI**

*has been this day admitted to the degree of*

**DOCTOR OF PHILOSOPHY**

*in* **Life Science**

*under the faculty of*

**Science & Technology**

ବିଦ୍ୟା ବିଭୂଷଣ ଯୋଗ୍ୟତା ପତ୍ର

ବିଜ୍ଞାନ ଓ ପ୍ରଯୁକ୍ତି ବିଦ୍ୟା କ୍ଷେତ୍ରରେ

ଜୀବ ବିଜ୍ଞାନ ବିଷୟରେ

ଅଂଶୁମାନ ଷଡଙ୍ଗୀ କୁ

ଆଜି ଏହି ବିଦ୍ୟା ବିଭୂଷଣ ଉପାଧି ପ୍ରଦତ୍ତ ହେଲା।

The 23th March, 2019

Vice Chancellor

ATTESTED

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Principal
Trident Academy of Technology
Bhubaneswar-751024

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Civil Engineering

*on*

## Sanjay Kumar Behera

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal

Trident Academy of Technology

Bhubaneswar-751024

Date : 13 FEB 2018

*Vice-Chancellor*

# National Institute of Technology
# Rourkela

Upon the recommendation of the Senate,
hereby confers the degree of

## Doctor of Philosophy

on

*Roma Sahu*

who has successfully defended the thesis entitled

*"Studies on Ultimate Bearing Capacity of Shallow Foundations resting over Geogrid-reinforced Sand under Centric Inclined and Eccentric Vertical Load"*

and has fulfilled all other requirements
for the degree in the Department of
*Civil Engineering.*

Given this day, under the seal of the Institute
at Rourkela in the Republic of India,
the 19th Day of January 2019.

Registrar

Director

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

ATTESTED
Trident Academy of Technology
Bhubaneswar-751024

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Sl. No.....13179

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**SUMATI BARAL**

Registration No : 1571013117

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended

the thesis entitled :

**"The role of AI in improving urban planning and smart city initiatives"**

in the year 2019

ATTESTED

Principal

Trident Academy of Technology

Bhubaneswar-751024

Date 28 APR 2019

CONTROLLER OF EXAMINATIONS

Sl. No. VSSUT/2018/005

Regd. No. 14060015

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Pratiti Mishra

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice- Chancellor*

Sl. No. 11111

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**REKHA SAHU**

Registration No : 1171012659

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Resources Management Polices in Cloud Environment"**

in the year 2016

ATTESTED

Date: 28 APR 2016

Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

# Biju Patnaik University of Technology, Odisha

Rourkela







*On recommendation of the Board of* ***Management,***

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Computer Science and Engineering

*on*

## Mohini Prasad Mishra

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*



ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date : 13 FEB 2019

Vice-Chancellor

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Abhaya Kumar Samal**

*having passed the examination for the degree of*

# Doctor of Philosophy

*in* **Engineering**, *under the Faculty of* **Science and Technology** *held in the month of November, 2013, was this day admitted to the degree.*

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 19th August, 2015

ATTESTED
Vice-Chancellor

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Principal
Trident Academy of Technology
Bhubaneswar-751024

# Utkal University

No. 001305

## UTKAL UNIVERSITY

DIPLOMA FOR DOCTOR OF PHILOSOPHY (Ph.D.)

*This is to certify that*

**MAHENDRA NATH DWIBEDI**

*Who passed the examination for the degree of,*

*DOCTOR OF PHILOSOPHY*

IN **COMPUTER SCIENCE** *held in the*

*month of* **APRIL** **2003** *, was this day*

*admitted to the degree.*

UTKAL UNIVERSITY VANI VIHAR BHUBANESWAR

The 15th December 2003

Vice Chancellor

## ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ

### ବିଜ୍ଞାନ ଉପାଧି ପତ୍ର

୨୦୦୩ ମସିହା ଅପ୍ରେଲ ମାସରେ ଅନୁଷ୍ଠିତ

ବିଜ୍ଞାନ ବିଭାଗ

ଉପାଧି ପରୀକ୍ଷାରେ କମ୍ପୁଟର ବିଜ୍ଞାନ ରେ ଉତ୍ତୀର୍ଣ୍ଣ

ମାହେନ୍ଦ୍ରନାଥ ଦ୍ୱିବେଦୀ

ଅଦ୍ୟ ଏହି ଉପାଧି ପ୍ରଦତ୍ତ ହେଲା ।

ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ ବାଣୀ ବିହାର ଭୁବନେଶ୍ୱର

ଉପକୁଳପତି

ତା ୧୫ ଡିସେମ୍ବର ୨୦୦୩

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No. VSSUT/2013/003

Regd. No. 09060011

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Biswaranjan Nayak

Who has successfully completed the prescribed requirements for award of this degree in the year 2013.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2013.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2018/008

Regd. No. 14050035

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

Satya Ranjan Biswal

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2018/013

Regd. No. 14050135

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Dayal Kumar Behera

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2018/009

Regd. No. 14060005

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

Rahul Ranjan

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

*Vice-Chancellor*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No. VSSUT/2018/011

Regd. No. 140600070

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Aditya Narayan Das

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No.....11173

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**DAKSHYA PRASAD PATI**

Registration No : 1471012247

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended

the thesis entitled :

**"Analyze the significance of big data on the IoT"**

in the year 2018

ATTESTED

Date 28 APR 2018

Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

Sl. No. 11173

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**BASUDEV NATH**

Registration No : 1471012741

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Evaluate the adaptive systems and models at runtime"**

in the year 2018

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date 28 APR 2018

CONTROLLER OF EXAMINATIONS

Sl. No. VSSUT/2018/012

Rogd. No. 140600016

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Sibananda Behera

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

*Vice-Chancellor*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No. VSSUT/2018/044

Regd. No. 14060096

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Simantika Ray

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

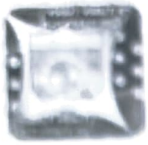
*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2018/077 Regd. No. 140600036





# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Pragnya Paramita Dash

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. 1[illegible]

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**ARPITA NIBEDITA**

Registration No : 1471012699

has completed all the prescribed requirements and possesses the proficiency for the award of degree of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Pattern Recognition And Machine Learning"**

in the year 2018

Date 28 APR 2018

CONTROLLER OF EXAMINATIONS

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No. 1[illegible]

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

ARUN KUMAR PRADHAN

Registration No : 1471012041

has completed all the prescribed requirements and possesses the proficiency for the award of degree of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Real-time image detection in videos"**

in the year 2018

Date: 28 APR 2018

CONTROLLER OF EXAMINATIONS

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No.....13173

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**MONALISA ROUT**

Registration No : 16710125487

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended

the thesis entitled :

**"Wheat Rust Detection Using Deeplearning"**

in the year 2018

Date 28 APR 2019

CONTROLLER OF EXAMINATIONS

Principal
Trident Academy of Technology
Bhubaneswar-751024

ATTESTED

Sl. No. VSSUT/2018/019 Regd. No. 140600026

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Sumitra Ojha

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. 13137

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**SASHI BHUSAN PARIDA**

Registration No : 1571013117

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Discuss the significance of the IoT-based supply chains"**

in the year 2019

Date 28 APR 2019

Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

ATTESTED

Sl. No. 13133

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**SUDHANSU RANJAN LENKA**

Registration No : 1571013879

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended

the thesis entitled :

**"Development of an effective credit scoring model using Artificial Intelgency for financial sector"**

in the year 2019

Date 28 APR 2019

Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

ATTESTED

Sl. No ....15117

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**SASMITA MISHRA**

Registration No : 1571015588

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended

the thesis entitled :

**"Discuss the working of ultra-power IoT technologies"**

in the year 2019

ATTESTED

Date 28 APR 2019

Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

Sl. No. VSSUT/2019/043

Regd. No. 15050085

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Pradipta Kumar Mishra

Who has successfully completed the prescribed requirements for award of this degree in the year 2019.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2019.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2018/018

Regd. No. 14050021

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Satya Sundar Mishra

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2019/013

Regd. No. 15060055

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Electrical Engineering*

*on*

## Yashobanta Panda

Who has successfully completed the prescribed requirements for award of this degree in the year 2019.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2019.

Siddhi Vihar, Burla
Sambalpur - 768 018
Odisha, India

Vice-Chancellor

Principal
Indest Academy of Technology

20120071

# Jadavpur University

Certified that

**Sri Deba Narayan Pattanayak**

was admitted to the Degree of **Doctor of Philosophy in Engineering** of this University on 11/05/2012 and that the degree was conferred on him / her at the Convocation held in December 2012 with all the Rights and Privileges thereto appertaining.

In Witness whereof the Signature of the Vice-Chancellor of **Jadavpur University** is hereunto affixed.

JADAVPUR UNIVERSITY
The 24th December, 2012

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No. VSSUT/2016/026

Regd. No. 12060015

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Electrical and Electronics Engineering*

*on*

## Pradeepta Kumar Sahoo

Who has successfully completed the prescribed requirements for award of this degree in the year 2016.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2016.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Engineering

*on*

## Mir Manjur Elahi

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date : 1 3 FEB 2019

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela

[redacted] [redacted]

*On recommendation of the Board of* ***Management,***

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Engineering

*on*

## Shitya Ranjan Das

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024
[redacted]

Date : 13 FEB 2019

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Engineering

*on*

## Lohit Kumar Sahoo

*who has successfully completed the prescribed requirements*

*in the academic year 2016-17*

*Given at Rourkela on this day under the seal of the University.*

Date : 13 FEB 2018

ATTESTED

Principal
Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Engineering

*on*

## Rabindra Bhojray

*who has successfully completed the prescribed requirements*

*in the academic year 2003-04*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal

Trident Academy of Technology

[redacted]eswar-751024

Date : 18 MAR 2004

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of* ***Management,***

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Engineering

*on*

## Shuvendra Kumar Tripathy

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
Bhu[redacted]-751024

Date : 13 FEB 2019

Vice-Chancellor

Sl. No. VSSUT/2018/014

Regd. No. 14060115

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Electronics and Communications Engineering*

*on*

## Millee Panigrahi

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2016/044 Regd. No. 12040105

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Electronics and Communications Engineering*

*on*

## Rina Mahakud

Who has successfully completed the prescribed requirements for award of this degree in the year 2016.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2016.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

# Biju Patnaik University of Technology, Odisha

Rourkela

[redacted] [redacted]

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Engineering

*on*

## Satyanarayan Rath

*who has successfully completed the prescribed requirements*

*in the academic year 2016-17*

*Given at Rourkela on this day under the seal of the University.*

Date : 13 FEB 2018

ATTESTED

Principal
Trident Academy of Technology
[redacted]-751024

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela

[redacted] [redacted]

*On recommendation of the Board of* ***Management,***

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Engineering

*on*

## Minu Samantaray

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
B[redacted]var-751024

Date : 13 FEB 2019

*Vice-Chancellor*

Sl. No. VSSUT/2018/017 Regd. No. 140400110

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Electronics and Communications Engineering*

*on*

## Md Rizwan Khan

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

1800035 16/2014

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Sumanta Kumar Mohapatra**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* Electronics Science , *under the Faculty of* Science and Technology *held in the month of April, 2018, was this day admitted to the degree.*

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 19th August, 2018

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

H7D000088

# Jadavpur University

*Certified that*

**Madhusmita Mohanty**

*was admitted to the Degree of* Doctor of Philosophy in Engineering *of this University on* 27.06.2016 *and that the degree was conferred on him / her at the Convocation held in December* 2016 *with all the Rights and Privileges thereto appertaining.*

*In Witness whereof the Signature of the Vice-Chancellor of* Jadavpur University *is hereunto affixed.*

JADAVPUR UNIVERSITY
The 24th December, 2016

Sanjay Das
Vice-Chancellor

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No. VSSUT/2018/027

Regd. No. 140400145

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Electronics and Communications Engineering*

*on*

Biswa Ranjan Swain

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

*Vice-Chancellor*

ATTESTED

Trident Academy of Technology
Bhubaneswar-751024

...

...

...

Sl.No. : 2015408

UTKAL UNIVERSITY

# Utkal University

## ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DIPLOMA FOR DOCTOR OF PHILOSOPHY (Ph.D.)

## ବିଭୂଷଣ ଉପାଧି ପତ୍ର

*This is to certify that* **CHANDAN KUMAR DAS**

*who passed the Examination for the degree of*

*in* **Physics** *under the Faculty of* **Science & Technology**

*held in the month of* **March 2014** *was this day admitted to the Degree.*

୨୦୧୪ ମସିହା ମାର୍ଚ୍ଚ ମାସରେ ଅନୁଷ୍ଠିତ ବିଜ୍ଞାନ ଓ ପ୍ରଯୁକ୍ତି ବିଦ୍ୟା ବିଭୂଷଣ ଉପାଧି ପରୀକ୍ଷାରେ

ପଦାର୍ଥ ବିଜ୍ଞାନ ରେ ଉତ୍ତୀର୍ଣ୍ଣ ଚନ୍ଦନ କୁମାର ଦାସ କୁ ଅଦ୍ୟ ଏହି ଉପାଧି ପ୍ରଦତ୍ତ ହେଇଛି ।

Vani Vihar, Bhubaneswar
Odisha, India
The 21st February, 2015

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar

Vice-Chancellor

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

354

Letter No. 127
Dated 07.2.2017

UTKAL UNIVERSITY
VANI VIHAR BHUBANESWAR-751004

# PROVISIONAL CERTIFICATE

This is to certify that ..Sanjita Mohanty.....
.....
Regd No. 03-Chemistry-2003-04 is declared to be qualified for the award of Ph.D. / ~~D.Sc.~~ in .....Chemistry.....
.....Examination held in the year .....2017.....from Utkal University, Vani Vihar, Bhubaneswar.

07.2.2017
Checked By
07/2/17

Section Officer

Dy. Controller of Examinations
13/2/17

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

1600026 44/2012

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Pradeepta Kumar Nayak**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* English , *under the Faculty of* Humanities & Social Science *held in the month of April, 2016, was this day admitted to the degree.*

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 19th August, 2016

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

1100114

04/2011

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Sidhartha S. Mohapatra**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* **Mathematics** *, under the Faculty of* **Humanities & Social Science**

*held in the month of April, 2015, was this day admitted to the degree.*

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 19th August, 2015

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

H8D000024

# Jadavpur University

*Certified that*

**Namita Mohanty**

*was admitted to the Degree of* **Doctor of Philosophy in English** *of this University on* **27.06.2018** *and that the degree was conferred on him / her at the Convocation held in December 2018 with all the Rights and Privileges thereto appertaining.*

*In Witness whereof the Signature of the Vice-Chancellor of* **Jadavpur University** *is hereunto affixed.*

JADAVPUR UNIVERSITY
The 24th December, 2018

ATTESTED
Principal
Trident Academy of Technology

Sanjay Das
*Vice-Chancellor*

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## English

*on*

## Manoj Kumar Swain

*who has successfully completed the prescribed requirements*

*in the academic year 2015-16*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date: 13 FEB 2016

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela

[redacted] [redacted]

*On recommendation of the Board of* ***Management,***

*hereby confers the degree of*

## Doctor of Philosophy

*in*

**Physics**

*on*

## Sujata Mohanty

***who has successfully completed the prescribed requirements***

***in the academic year 2016-17***

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
B[redacted]var-751024

**Date :** 1 3 FEB 2018

*Vice-Chancellor*

18000098 112/2015

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Swetashree Pattnaik**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* **Chemistry** *under the Faculty of* **Basic Science and Humanities** *held in the month of July,* **2018,** *was this day admitted to the degree.*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 12th April, 2019

Vice-Chancellor

1900087

142/2015

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Hemanta Kumar Mishra**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in Mathematics, under the Faculty of Basic Science and Humanities held in the month of July, 2019, was this day admitted to the degree.*

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 12th April, 2020

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

H6D000011

# Jadavpur University

*Certified that*

**Diptimayee Sahoo**

*was admitted to the Degree of* **Doctor of Philosophy in English** *of this University on* **27.06.2016** *and that the degree was conferred on him / her at the Convocation held in December* 2016 *with all the Rights and Privileges thereto appertaining.*

*In Witness whereof the Signature of the Vice-Chancellor of* **Jadavpur University** *is hereunto affixed.*

JADAVPUR UNIVERSITY
The 24th December, 2016

Sucarjan Das
*Vice-Chancellor*

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

20190082

# Jadavpur University

*Certified that*

**Ashok Kumar Sahoo**

*was admitted to the Degree of* **Doctor of Philosophy in Mathematics** *of this University on* 27.06.2019 *and that the degree was conferred on him / her at the Convocation held in December 2019 with all the Rights and Privileges thereto appertaining.*

*In Witness whereof the Signature of the Vice-Chancellor of* **Jadavpur University** *is hereunto affixed.*

JADAVPUR UNIVERSITY
The 24th December 2019

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

Sl. No.....11113

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**PRANATI MOHAPATRA**

Registration No : 1471014659

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended

the thesis entitled :

**"Foreign Direct Investment and Economic Growth"**

in the year 2018

ATTESTED

Date 26 APR 2018

Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*
*hereby confers the degree of*

## Doctor of Philosophy

*in*

**English**

*on*

## Manoj Kumar Rath

*who has successfully completed the prescribed requirements*
*in the academic year 2018-19*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Date: 13 FEB 2019

Vice-Chancellor

Sl. No. 17197

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**BIMAL PRASAD MOHAPATRA**

Registration No : 1771012001

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Pedagogical and Psychological Means of Improving Classroom Teaching at Higher Secondary Level"**

in the year 2022

ATTESTED

Date 28 APR 2022

Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

# Utkal University

No. [illegible]

## UTKAL UNIVERSITY

DIPLOMA OF DOCTOR OF PHILOSOPHY (Ph.D.)

This is to certify that

**AMARENDRA BARAL**

Who passed the examination for the degree of

DOCTOR OF PHILOSOPHY

**MATHEMATICS** held in the

month of **JULY** **2005**, was this day

admitted to the degree

UTKAL UNIVERSITY
VANI VIHAR
BHUBANESWAR

The Dt. 03 -12-2006

ATTESTED

Trident Academy of Technology
Bhubaneswar-751024

## ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ

### ବିଲୁପ୍ତଣ ଛପାଏ ପତ୍ର

୨୦୦୫ ମସିହା ଜୁଲାଇ ମାସରେ ଅନୁଷ୍ଠିତ

ବିଜ୍ଞାନ ବିଲୁପ୍ତଣ

ଛପାଏ ପରୀକ୍ଷାରେ ଗଣିତ ଶାସ୍ତ୍ର ରେ ଉତ୍ତୀର୍ଣ୍ଣ

ଅମରେନ୍ଦ୍ର ବରାଳ

ଙ୍କୁ ଏହି ଛପାଏ ପ୍ରଦତ୍ତ ହେଲା ।

ଉତ୍କଳ
ବିଶ୍ୱବିଦ୍ୟାଳୟ
ବାଣୀ ବିହାର
ଭୁବନେଶ୍ୱର

ତାରିଖ. ୦୦ ୦୨

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-75

Sl. No. VSSUT/2017/042

Regd. No. 13050036

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Nani Gopal Das

Who has successfully completed the prescribed requirements for award of this degree in the year 2017.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2017.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

1500031

54/2015

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Pramod Kumar Sethy**

*having passed the examination for the degree of*

# Doctor of Philosophy

*in* Information Technology , *under the Faculty of* Science and Technology *held in the month of April, 2019, was this day admitted to the degree.*

ATTESTED

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Principal
Trident Academy of Technology
Bhubaneswar-751024

JYOTI VIHAR, BURLA
ODISHA, INDIA

The 19th August 2019

Sl. No. 11113

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**RANJEEP PRADHAN**

Registration No : 1471013889

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended

the thesis entitled :

**"Evaluate the IoT and 5G networks"**

in the year 2018

ATTESTED

Principal

Trident Academy of Technology

Bhubaneswar-751024

Date 28 APR 2018

CONTROLLER OF EXAMINATIONS

1800069 61/2014

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Santosh Kumar Sahu**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* Information Technology , *under the Faculty of* Science and Technology *held in the month of April, 2018, was this day admitted to the degree.*

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 19th August, 2018

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

Sl. No. VSSUT/2018/065

Regd. No. 14050012

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Information Technology*

*on*

## Soubhagya Kumar Mallick

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2018/083 Regd. No. 14050072

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Information Technology*

*on*

## Rabinarayan Mohanty

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No ....13911

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**ASHISH KUMAR BARIK**

Registration No : 1671013741

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Explore the applications of big data in tourism"**

in the year 2020

Date: 30 APR 2020

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

Sl. No. VSSUT/2020/032

Regd. No. 16080076

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Pradyumna Kumar Nayak

Who has successfully completed the prescribed requirements for award of this degree in the year 2020.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2020.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Business Administration

*on*

## Ashok Kumar Rath

*who has successfully completed the prescribed requirements*

*in the academic year 1999-2000*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date : 11 FEB 2000

*Vice-Chancellor*

# Utkal University

## Degree of Doctor of Philosophy

It is hereby certify that

MANAS RANJAN CHOWDHURY

has been admitted to the degree of

DOCTOR OF PHILOSOPHY

in Business Administration

under the faculty of

Business Studies & Management

ବିଦ୍ୟା ବିଭୂଷଣ ଯୋଗ୍ୟତା ପତ୍ର

ବ୍ୟବସାୟ ଓ ପରିଚାଳନା ବିଦ୍ୟା କ୍ଷେତ୍ରରେ

ବ୍ୟବସାୟ ପ୍ରଶାସନ ବିଷୟରେ

ମାନସ ରଞ୍ଜନ ଚୌଧୁରୀ ଙ୍କୁ

ପ୍ରଦାନ କରି ବିଦ୍ୟା ବିଭୂଷଣ ଉପାଧି ପ୍ରଦାନ କରେଳା।

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Business Administration

*on*

## Sonam Subhadarshini

*who has successfully completed the prescribed requirements*

*in the academic year 2018-19*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date : 13 FEB 2019

Vice-Chancellor

# RAVENSHAW UNIVERSITY
# CUTTACK

Notification No. Exam. Ph.D/ Management - 162 / 2015 Dated 29.06.2015

## THE DEGREE OF DOCTOR OF PHILOSOPHY IN MANAGEMENT

**Nargis Begum Ph.D Registration No. 02-MGT-2007-08 is declared to have qualified for the award of Ph.D Degree in Management under Ravenshaw University, Cuttack, Odisha. The title of the thesis is "SOCIAL ACCOUNTABILITY OF CORPORATE SECTOR : A COMPARATIVE STUDY OF TATA STEEL AND NALCO ".**

CONTROLLER OF EXAMINATIONS

**Memo No. Exam Ph D/ Management- 163 (16)/ 2015 Dated. 29.06.2015**

Copy forwarded to

1. Mrs. Nargis Begum, W/o-Sk. Sahanawaj Ahmed, Plot No. 2289, Near Bhubaneswar Hotel, Cuttack Road, Bhubaneswar-751 006
2. Dr. Sanjay Kumar Satapathy, Reader in Commerce, Ravenshaw University, Cuttack ( Supervisor )
3. Dr. Harekrushna Swain, Professor of PMIR, Utkal University, Bhubaneswar (Co-Supervisor)
4. Prof. Kartick Chandra Paul, Dept. of Business Administration, Vidyasagar University, Midnapore-721 102, West Bengal, India (External Examiner)
5. Prof. Lalit Prakash Pateriya, Dept. of Management Studies, Guru Ghasidas University, Bilaspur (C.G) (External Examiner)
6. Head of Department & Chairman, BOS, Department of Commerce, Ravenshaw University, Cuttack
7. The Director of Printing, Publication, Stationeries, Orissa Govt. Press, Cuttack for favour of publication in the next issue of the Orissa Gazette.
8. The Secretary, University Grants Commission (UGC), Bahadur Shah Zafar Marg, New Delhi, Pin 110 002, India
9. The Secretary, Association of Indian Universities, AIU House 16, Kotla Marg, New Delhi-110002
10. The Librarian, Association of Indian Universities, AIU House 16, Kotla Marg, New Delhi-110002
11. The Editor, University News, Association of Indian Universities, AIU House 16, Kotla Marg, New Delhi, 110002
12. The Director , Higher Education, Orissa , Bhubaneswar for information.
13. The Director, Ravenshaw Knowledge Centre, Ravenshaw University, Cuttack
14. OSD to Hon'ble Vice Chancellor
15. Steno to Hon'ble Vice Chancellor
16. Guard File (5 copies)

CONTROLLER OF EXAMINATIONS

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

# Biju Patnaik University of Technology, Odisha

Rourkela







*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Computer Applications

*on*

## Kaustuva Chandra Dev

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*



ATTESTED

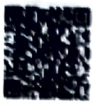
Principal
Trident Academy of Technology
Bhubaneswar-751024

Date : 13 FEB 2019

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela







*On recommendation of the Board of* ***Management,***

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Computer Applications

*on*

## Sanjeev Narayan Bal

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*



ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date : 13 FEB 2019

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela

[redacted] [redacted]

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Computer Applications

*on*

## Ashok Kumar Sahoo

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
Bh[redacted]ar-751024

Date : 13 FEB 2019

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela

On recommendation of the Board of Management,

hereby confers the degree of

## Doctor of Philosophy

*in*

## Computer Applications

*on*

## Dipalika Das

*who has successfully completed the prescribed requirements*

*in the academic year 2018-19*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal

Trident Academy of Technology

Bhubaneswar-751024

Date : 13 FEB 2019

Vice-Chancellor

Sl. No. 1111

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**KALYANI PRADHAN**

Registration No : 1471012058

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended the thesis entitled :

**"Manufacturing processes and engineering economics"**

in the year 2018

ATTESTED

Date: 28 APR 2018

Principal
Trident Academy of Technology
Bhubaneswar 751024

CONTROLLER OF EXAMINATIONS

2000026 52/2016

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Diptiranjan Panda**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* Mechanical Engineering , *under the Faculty of* Science and Technology *held in the month of April, 2020, was this day admitted to the degree.*

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 19th August, 2020

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

H7D000058

# Jadavpur University

*Certified that*

## Akshaya Kumar Nayak

*was admitted to the Degree of* Doctor of Philosophy in Engineering *of the University on* 27.06.2017 *and that the degree was conferred on him here at the Convocation held in December 2017 with all the Rights and Privileges thereto appertaining.*

*In Witness whereof the Signature of the Vice-Chancellor of* Jadavpur University *is hereunto affixed.*

JADAVPUR UNIVERSITY
The 24th December, 2017

ATTESTED

Trident Academy of Technology
Bhubaneswar-751024

ATTESTED

Vice-Chancellor

Principal
Trident Academy of Technology
Bhubaneswar-751024

[illegible] 110/2009

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Ajay Kumar Sahoo**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* **Mechanical Engineering,** *under the Faculty of* **Science and Technology** *held in the month of April, 2017, was this day admitted to the degree.*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

JYOTI VIHAR, BURLA
ODISHA, INDIA

The 6th January, 2018

Vice-Chancellor

No. - PHD1400003

Reg. No. - 10365617424



# KIIT UNIVERSITY

(Declared deemed to be University under section 3 of the UGC Act, 1956)
BHUBANESWAR

Upon recommendation of the Academic Council hereby confers the Degree of

## DOCTOR OF PHILOSOPHY

in

**Computer Science & Engineering**

on

**Padmabati Chand**

who has successfully completed the course of study in year 2014 as prescribed under the regulations

The title of the thesis being **"Optimal Solution of Vehicle Routing Problem Using Multi-Objective Evolutionary Algorithms"**

Given under the seal of KIIT University in the Republic of India on the eighth day of November Two Thousand Fourteen

Registrar

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice - Chancellor

Chancellor

To verify the authenticity of this certificate visit : www.kiit.ac.in

Ph. D: No: 00382 Estt. No. 6100/20-8-04.

# Berhampur University

DIPLOMA FOR DOCTOR OF PHILOSOPHY

This is to certify that

Sakuntala Mahapatra

who passed the examination

for the degree of

**DOCTOR OF PHILOSOPHY**

in Electronic Science

held in the month of August, 2004.

was this day admitted to the degree.

BERHAMPUR UNIVERSITY, BHANJA BIHAR,
BERHAMPUR-760 007.

Dated The 18 FEB 2006 2006.

Vice-Chancellor

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

# TRIDENT ACADEMY OF TECHNOLOGY

# 2020-21

| Sl.No. | Name | Designation | Name of the Department | Highest Qualification (NET/SET/SLET/ Ph. D./D.Sc. / D.Litt./L.L.D. ) and Year of obtaining |
|---|---|---|---|---|
| 1 | Dr. Arup Sarkar | Professor | BIOTECH | Ph.D,2009 |
| 2 | Dr. Deoraj Sharma | Associate Professor | BIOTECH | Ph.D,2013 |
| 3 | Dr.Anshuman Sarangi | Associate Professor | BIOTECH | Ph.D,2017 |
| 4 | Dr. Ashok Sarangi | Assistant Professor. | BIOTECH | Ph.D,2018 |
| 5 | Dr. Sanjay Kumar Behera | Associate Professor | CIVIL | Ph.D,2018 |
| 6 | Dr.Roma Sahoo | Assistant Professor | CIVIL | Ph.D,2018 |
| 7 | Dr. Subhra Swetanisha | Associate Professor | CS-AIML | Ph.D,2018 |
| 8 | Dr. Sumati Baral | Assistant Professor | CS-AIML | Ph.D,2019 |
| 9 | Dr. Pratiti Mishra | Assistant Professor | CS-AIML | Ph.D,2018 |
| 10 | Dr. Rekha Sahu | Assistant Professor | CS-AIML | Ph.D,2016 |
| 11 | Dr. Jhalak Hota | Assistant Professor | CS-AIML | Ph.D,2018 |
| 12 | Dr. Abhaya Kumar Samal | Professor | CSE | Ph.D, 2013 |
| 13 | Dr. Rabi Narayan Satpathy | Professor | CSE | Ph.D, 2004 |
| 14 | Dr. Mahendra Nath Dwibedi | Professor | CSE | Ph.D, 2003 |
| 15 | Dr. Biswaranjan Nayak | Professor | CSE | Ph.D,2013 |
| 16 | Dr. Satya Ranjan Biswal | Associate Professor | CSE | Ph.D,2019 |
| 17 | Dr. Pragyan Paramita Das | Assistant Professor | CSE | Ph.D,2018 |
| 18 | Dr. Sashi Bhusan Parida | Associate Professor | CSE | Ph.D,2019 |
| 19 | Dr. Sudhansu Ranjan Lenka | Associate Professor | CSE | Ph.D,2019 |
| 20 | Dr. Sasmita Mishra | Associate Professor | CSE | Ph.D,2019 |
| 21 | Dr. Dakshya Prasad Pati | Associate Professor | CSE | Ph.D,2018 |

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

| | | | | |
|---|---|---|---|---|
| 22 | Dr. Basudev Nath | Associate Professor | CSE | Ph.D,2018 |
| 23 | Dr. Sibananda Behera | Associate Professor | CSE | Ph.D,2018 |
| 24 | Dr. Simantika Ray | Associate Professor | CSE | Ph.D,2018 |
| 25 | Dr. Dayal Kumar Behera | Assistant Professor | CSE | Ph.D,2018 |
| 26 | Dr.Ranjeep Pradhan | Assistant Professor | CSE | Ph.D,2018 |
| 27 | Dr. Rahul Ranjan | Associate Professor | CSE | Ph.D,2018 |
| 28 | Dr. Aditya Narayan Das | Assistant Professor | CSE | Ph.D,2018 |
| 29 | Dr.Mohini Mishra | Assistant Professor | IT | Ph.D,2018 |
| 30 | Dr.Pramod Kumar Sethy | Assistant Professor | IT | Ph.D,2018 |
| 31 | Dr.Sumitra Ojha | Assistant Professor | CSE | Ph.D,2018 |
| 32 | Dr.Rabinarayana Mohanty | Assistant Professor | CSE | Ph.D,2018 |
| 33 | Dr. Pradipta Kumar Mishra | Assistant Professor | CSE | Ph.D,2019 |
| 34 | Dr. Padmabati Chand | Professor | CST | Ph.D, 2014 |
| 35 | Dr. Arpita Nibedita | Associate Professor | CST | Ph.D,2018 |
| 36 | Dr.Arun Kumar Pradhan | Associate Professor | CST | Ph.D,2018 |
| 37 | Dr. Monalisa Rout | Assistant Professor | CST | Ph.D,2018 |
| 38 | Dr. Satya Sundar Mishra | Assistant Professor | CST | Ph.D,2018 |
| 39 | Dr. Yasbonata Panda | Associate Professor | EE | Ph.D,2019 |
| 40 | Dr. Deba Narayan Pattnaik | Professor | EE | Ph.D,2012 |
| 41 | Dr. P K Sahoo | Professor | EEE | Ph.D,2016 |
| 42 | Dr. Sitya Ranjan Dash | Associate Professor | EEE | Ph.D,2018 |
| 43 | Dr. Lohit Ku.Sahoo | Assistant Professor | EEE | Ph.D,2017 |
| 44 | Dr. Mir Manjur Elahi | Assistant Professor | EEE | Ph.D,2018 |
| 45 | Dr. Sakuntala Mahapatra | Professor | ETC | Ph.D,2004 |
| 46 | Dr. Rabindra Bhojray | Associate Professor | ETC | Ph.D,2018 |
| 47 | Dr. Millee Panigrahi | Associate Professor | ETC | Ph.D,2018 |
| 48 | Dr. Md. Rizwan Khan | Associate Professor | ETC | Ph.D,2018 |
| 49 | Dr. Rina Mahakud | Assistant Professor | ETC | Ph.D,2016 |
| 50 | Dr. Sumanta Kumar Mohapatra | Assistant Professor | ETC | Ph.D,2018 |
| 51 | Dr. Madhusmita Mohanty | Assistant Professor | ETC | Ph.D,2016 |

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

| | | | | |
|---|---|---|---|---|
| 52 | Dr. Shuvendra Kumar Tripathy | Assistant Professor | ETC | Ph.D,2018 |
| 53 | Dr. Satya Narayan Rath | Assistant Professor | ETC | Ph.D,2016 |
| 54 | Dr. Minu Samantaray | Assistant Professor | ETC | Ph.D,2018 |
| 55 | Dr.Amarendra Baral. | Professor | H & S | Ph.D,2005 |
| 56 | Dr Manas Ranjan Senapati. | Professor | H & S | Ph.D,1993 |
| 57 | Dr. Chandan kumar Das. | Professor | H & S | Ph.D,2014 |
| 58 | Dr Sanjita Mohanty. | Associate Professor | H & S | Ph.D,2017 |
| 59 | Dr Pradeepta kumar Nayak | Associate Professor | H & S | Ph.D,2016 |
| 60 | Dr Sidhartha S. Mohapatra | Associate Professor | H & S | Ph.D,2015 |
| 61 | Dr Namita Mohanty | Associate Professor | H & S | Ph.D,2018 |
| 62 | Dr.Manoj Kumar Swain | Associate Professor | H & S | Ph.D,2016 |
| 63 | Dr Sujata Mohanty. | Associate Professor | H & S | Ph.D,2017 |
| 64 | Dr. Swetashree pattnaik | Associate Professor | H & S | Ph.D,2018 |
| 65 | Dr Hemanta Kumar Mishra | Associate Professor | H & S | Ph.D,2019 |
| 66 | Dr. Diptimayee Sahoo | Associate Professor | H & S | Ph.D,2016 |
| 67 | Dr Ashok kumar Sahu. | Assistant Professor | H & S | Ph.D,2019 |
| 68 | Dr. Pranati Mohapatra | Assistant Professor | H & S | Ph.D,2018 |
| 69 | Dr. Manoj Kumar Rath | Assistant Professor | H & S | Ph.D,2019 |
| 70 | Dr. Bimal Prasad Mohapatra | Assistant Professor | H & S | Ph.D,2022 |
| 71 | Dr. Nani Gopal Das | Associate Professor | IT | Ph.D,2017 |
| 72 | Dr. Santosh Kumar Sahu | Associate Professor | IT | Ph.D,2018 |
| 73 | Dr. Soubhagya Kumar Mallick | Assistant Professor | IT | Ph.D,2018 |
| 74 | Dr. Rabinarayan Mohanty | Assistant Professor | IT | Ph.D,2018 |
| 75 | Dr. Ashish Kumar Barik | Assistant Professor | IT | Ph.D,2020 |
| 76 | Dr.Pradyumna Kumar Nayak | Assistant Professor | IT | PhD,2020 |
| 77 | Dr.Sidharth Mishra | Assistant Professor | IT | Ph.D,2018 |

ATTESTED



Principal
Trident Academy of Technology
Bhubaneswar-751024

| | | | | |
|---|---|---|---|---|
| 78 | Dr. Ashok Kumar Rath | Professor | MBA | Ph.D,2000 |
| 79 | Dr. Manas Ranjan Choudhury | Assistant Professor | MBA | Ph.D,2018 |
| 80 | Dr.Nargis Begum | Associate Professor | MBA | Ph.D,2015 |
| 81 | Dr. Sonam Subhadarshini | Assistant Professor | MBA | Ph.D,2019 |
| 82 | Dr. Kaustuva Chandra Dev | Professor | MCA | Ph.D,2018 |
| 83 | Dr. Sanjeev Narayan Bal | Associate Professor | MCA | Ph.D,2018 |
| 84 | Dr. Dipalika Das | Assistant Professor | MCA | Ph.D,2019 |
| 85 | Dr.Ashok Kumar Sahoo | Assistant Professor | MCA | Ph.D,2018 |
| 86 | Dr. Ajay Kumar Sahoo | Professor | Mechanical | Ph.D,2017 |
| 87 | Dr. Akshaya Kumar Nayak | Assistant Professor | Mechanical | Ph.D,2017 |
| 88 | Dr. Kalyani Pradhan | Assistant Professor | Mechanical | Ph.D,2018 |
| 89 | Dr. Diptiranjan Panda | Assistant Professor | Mechanical | Ph.D,2020 |

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No.....

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**ASHOK SARANGI**

Registration No : 1471013149

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended

the thesis entitled :

**"Nanotechnology is a new technology that can be applied to DNA genotyping"**

in the year 2018

Date 28 APR 2018

CONTROLLER OF EXAMINATIONS

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

# Promotionsurkunde

Die Technisch-Naturwissenschaftliche Fakultät der Universität zu Lübeck
verleiht

unter der Präsidentschaft
des Professors Dr. med. Peter Dominiak
und unter dem Dekanat
des Professors Dr. rer. nat. Jürgen Prestin

## Herr Arup Sarkar, M. Sc.

geboren am 06. Juli 1976 in Kolkata, Indien

den Grad eines

## Doktors der Naturwissenschaften

(Dr. rer. nat.)

nachdem er im ordentlichen Promotionsverfahren
durch die mit cum laude beurteilte Dissertation

**„Multiple Facets of Neutrophil Apoptosis Modulation by the Intracellular Pathogens *Anaplasma phagocytophilum Chlamydia pneumoniae* and *Leishmania major*"**

sowie in einer mündlichen Doktorprüfung
seine wissenschaftliche Befähigung erwiesen

und danach die
Gesamtbeurteilung cum laude (Gesamtnote: 2,0)
erhalten hat

Lübeck, 18. November 2009

Der Dekan

Prof. Dr. rer. nat. Jürgen Prestin

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

PhD2018134

# Utkal University

ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ

## Degree of Doctor of Philosophy

*This is to certify that*

**ANSHUMAN SARANGI**

*has been this day admitted to the degree of*

**DOCTOR OF PHILOSOPHY**

*in* **Life Science**

*under the faculty of*

**Science & Technology**

ବିଦ୍ୟା ବିଭୂଷଣ ଯୋଗ୍ୟତା ପତ୍ର

ବିଜ୍ଞାନ ଓ ପ୍ରଯୁକ୍ତି ବିଦ୍ୟା କ୍ଷେତ୍ରରେ

ଜୀବ ବିଜ୍ଞାନ ବିଷୟରେ

ଅଂଶୁମାନ ଷଡଙ୍ଗୀ କୁ

ଆଜି ଏହି ବିଦ୍ୟା ବିଭୂଷଣ ଉପାଧି ପ୍ରଦତ୍ତ ହେଲା।

The 23th March, 2019

Vice Chancellor

ATTESTED

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Principal
Trident Academy of Technology
Bhubaneswar-751024

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Civil Engineering

*on*

## Sanjay Kumar Behera

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal

Trident Academy of Technology

Bhubaneswar-751024

Date : 13 FEB 2018

*Vice-Chancellor*

# National Institute of Technology
# Rourkela

Upon the recommendation of the Senate,
hereby confers the degree of

## Doctor of Philosophy

on

*Roma Sahu*

who has successfully defended the thesis entitled

*"Studies on Ultimate Bearing Capacity of Shallow Foundations resting over Geogrid-reinforced Sand under Centric Inclined and Eccentric Vertical Load"*

and has fulfilled all other requirements
for the degree in the Department of
*Civil Engineering.*

Given this day, under the seal of the Institute
at Rourkela in the Republic of India,
the 19th Day of January 2019.

Registrar

Director

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

ATTESTED
Trident Academy of Technology
Bhubaneswar-751024

Scanned by CamScanner

Sl. No.....13179

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**SUMATI BARAL**

Registration No : 1571013117

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended

the thesis entitled :

**"The role of AI in improving urban planning and smart city initiatives"**

in the year 2019

ATTESTED

Principal

Trident Academy of Technology

Bhubaneswar-751024

Date 28 APR 2019

CONTROLLER OF EXAMINATIONS

Sl. No. VSSUT/2018/005

Regd. No. 14060015

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Pratiti Mishra

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice- Chancellor*

Sl. No. 11111

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**REKHA SAHU**

Registration No : 1171012659

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Resources Management Polices in Cloud Environment"**

in the year 2016

ATTESTED

Date: 28 APR 2016

Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

Sl. No. 15113

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**JHALAK HOTA**

Registration No : 1571012017

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended the thesis entitled :

**"Efficient Algorithms for the Maximum Convex Sum Problem"**

in the year 2018

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date 28 APR 2019

CONTROLLER OF EXAMINATIONS

ATTESTED

# Biju Patnaik University of Technology, Odisha

Rourkela







*On recommendation of the Board of* ***Management,***

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Computer Science and Engineering

*on*

## Mohini Prasad Mishra

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*



ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date : 13 FEB 2019

Vice-Chancellor

Sl. No. VSSUT/2023/047

Rogd. No. 190600074

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Anil Kumar Mishra

Who has successfully completed the prescribed requirements for award of this degree in the year 2023.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2023.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

# The International University of Contemporary Studies

## Greetings

RABI NARAYAN SATPATHY

## Degree

DOCTOR OF SCIENCE IN COMPUTER SCIENCE & ENGINEERING

FIFTH DECEMBER

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

# Utkal University

No. 001305

## UTKAL UNIVERSITY

DIPLOMA FOR DOCTOR OF PHILOSOPHY (Ph.D.)

*This is to certify that*

**MAHENDRA NATH DWIBEDI**

*Who passed the examination for the degree of,*

*DOCTOR OF PHILOSOPHY*

IN **COMPUTER SCIENCE** *held in the*

*month of* **APRIL** **2003** *, was this day*

*admitted to the degree.*

UTKAL UNIVERSITY VANI VIHAR BHUBANESWAR

The 15th December 2003

Vice Chancellor

## ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ

### ବିଜ୍ଞାନ ଉପାଧି ପତ୍ର

୨୦୦୩ ମସିହା ଅପ୍ରେଲ ମାସରେ ଅନୁଷ୍ଠିତ

ବିଜ୍ଞାନ ବିଭାଗ

ଉପାଧି ପରୀକ୍ଷାରେ କମ୍ପୁଟର ବିଜ୍ଞାନ ରେ ଉତ୍ତୀର୍ଣ୍ଣ

ମାହେନ୍ଦ୍ରନାଥ ଦ୍ୱିବେଦୀ

ଅଦ୍ୟ ଏହି ଉପାଧି ପ୍ରଦତ୍ତ ହେଲା ।

ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ ବାଣୀ ବିହାର ଭୁବନେଶ୍ୱର

ଉପକୁଳପତି

ତା ୧୫ ଡିସେମ୍ବର ୨୦୦୩

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No. VSSUT/2013/003

Regd. No. 09060011

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Biswaranjan Nayak

Who has successfully completed the prescribed requirements for award of this degree in the year 2013.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2013.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2018/008

Regd. No. 14050035

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

Satya Ranjan Biswal

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2018/013

Regd. No. 14050135

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Dayal Kumar Behera

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2018/009

Regd. No. 14060005

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

Rahul Ranjan

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

*Vice-Chancellor*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No. VSSUT/2018/011

Regd. No. 140600070

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Aditya Narayan Das

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No.....11173

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**DAKSHYA PRASAD PATI**

Registration No : 1471012247

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended

the thesis entitled :

**"Analyze the significance of big data on the IoT"**

in the year 2018

ATTESTED

Date 28 APR 2018

Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

Sl. No. 11173

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**BASUDEV NATH**

Registration No : 1471012741

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Evaluate the adaptive systems and models at runtime"**

in the year 2018

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date 28 APR 2018

CONTROLLER OF EXAMINATIONS

Sl. No. VSSUT/2018/012

Rogd. No. 140600016

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Sibananda Behera

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

*Vice-Chancellor*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No. VSSUT/2018/044

Regd. No. 14060096

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Simantika Ray

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2018/072

Regd. No. 140600076

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Subhra Swetanisha

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

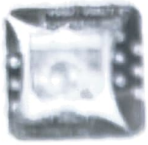
*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2018/077 Regd. No. 140600036





# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Pragnya Paramita Dash

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. 1[illegible]

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**ARPITA NIBEDITA**

Registration No : 1471012699

has completed all the prescribed requirements and possesses the proficiency for the award of degree of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Pattern Recognition And Machine Learning"**

in the year 2018

Date 28 APR 2018

CONTROLLER OF EXAMINATIONS

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No. 1[illegible]

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

ARUN KUMAR PRADHAN

Registration No : 1471012041

has completed all the prescribed requirements and possesses the proficiency for the award of degree of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Real-time image detection in videos"**

in the year 2018

Date: 28 APR 2018

CONTROLLER OF EXAMINATIONS

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No.....13173

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**MONALISA ROUT**

Registration No : 16710125487

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended

the thesis entitled :

**"Wheat Rust Detection Using Deeplearning"**

in the year 2018

Date 28 APR 2019

CONTROLLER OF EXAMINATIONS

Principal
Trident Academy of Technology
Bhubaneswar-751024

ATTESTED

Sl. No. VSSUT/2018/019 Regd. No. 140600026

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Sumitra Ojha

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. 13137

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**SASHI BHUSAN PARIDA**

Registration No : 1571013117

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Discuss the significance of the IoT-based supply chains"**

in the year 2019

Date 28 APR 2019

Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

ATTESTED

Sl. No. 13133

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**SUDHANSU RANJAN LENKA**

Registration No : 1571013879

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended

the thesis entitled :

**"Development of an effective credit scoring model using Artificial Intelgency for financial sector"**

in the year 2019

Date 28 APR 2019

Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

ATTESTED

Sl. No ....15117

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**SASMITA MISHRA**

Registration No : 1571015588

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended

the thesis entitled :

**"Discuss the working of ultra-power IoT technologies"**

in the year 2019

ATTESTED

Date 28 APR 2019

Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

Sl. No. VSSUT/2019/043

Regd. No. 15050085

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Pradipta Kumar Mishra

Who has successfully completed the prescribed requirements for award of this degree in the year 2019.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2019.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2018/018

Regd. No. 14050021

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Satya Sundar Mishra

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. 11133

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**RABITEJA PATRA**

Registration No : 1471012045

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended
the thesis entitled :

**"Wireless communication and mobile computing"**

in the year 2018

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date: 28 APR 2018

CONTROLLER OF EXAMINATIONS

Sl. No. VSSUT/2019/013

Regd. No. 15060055

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Electrical Engineering*

*on*

## Yashobanta Panda

Who has successfully completed the prescribed requirements for award of this degree in the year 2019.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2019.

Siddhi Vihar, Burla
Sambalpur - 768 018
Odisha, India

Vice-Chancellor

Principal
Indest Academy of Technology

20120071

# Jadavpur University

Certified that

**Sri Deba Narayan Pattanayak**

was admitted to the Degree of **Doctor of Philosophy in Engineering** of this University on 11/05/2012 and that the degree was conferred on him / her at the Convocation held in December 2012 with all the Rights and Privileges thereto appertaining.

In Witness whereof the Signature of the Vice-Chancellor of **Jadavpur University** is hereunto affixed.

JADAVPUR UNIVERSITY
The 24th December, 2012

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No. VSSUT/2016/026

Regd. No. 12060015

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Electrical and Electronics Engineering*

*on*

## Pradeepta Kumar Sahoo

Who has successfully completed the prescribed requirements for award of this degree in the year 2016.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2016.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Engineering

*on*

## Mir Manjur Elahi

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date : 1 3 FEB 2019

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela

[redacted] [redacted]

*On recommendation of the Board of* ***Management,***

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Engineering

*on*

## Shitya Ranjan Das

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024
[redacted]

Date : 13 FEB 2019

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Engineering

*on*

## Lohit Kumar Sahoo

*who has successfully completed the prescribed requirements*

*in the academic year 2016-17*

*Given at Rourkela on this day under the seal of the University.*

Date : 13 FEB 2018

ATTESTED

Principal
Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Engineering

*on*

## Rabindra Bhojray

*who has successfully completed the prescribed requirements*

*in the academic year 2003-04*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal

Trident Academy of Technology

[redacted]eswar-751024

Date : 18 MAR 2004

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of* ***Management,***

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Engineering

*on*

## Shuvendra Kumar Tripathy

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
Bhu[redacted]-751024

Date : 13 FEB 2019

Vice-Chancellor

Sl. No. VSSUT/2018/014

Regd. No. 14060115

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Electronics and Communications Engineering*

*on*

## Millee Panigrahi

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2016/044 Regd. No. 12040105

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Electronics and Communications Engineering*

*on*

## Rina Mahakud

Who has successfully completed the prescribed requirements for award of this degree in the year 2016.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2016.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

# Biju Patnaik University of Technology, Odisha

Rourkela

[redacted] [redacted]

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Engineering

*on*

## Satyanarayan Rath

*who has successfully completed the prescribed requirements*

*in the academic year 2016-17*

*Given at Rourkela on this day under the seal of the University.*

Date : 13 FEB 2018

ATTESTED

Principal
Trident Academy of Technology
[redacted]-751024

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela

[redacted] [redacted]

*On recommendation of the Board of* ***Management,***

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Engineering

*on*

## Minu Samantaray

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
B[redacted]var-751024

Date : 13 FEB 2019

*Vice-Chancellor*

Sl. No. VSSUT/2018/017 Regd. No. 140400110

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Electronics and Communications Engineering*

*on*

## Md Rizwan Khan

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

1800035 16/2014

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Sumanta Kumar Mohapatra**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* Electronics Science , *under the Faculty of* Science and Technology *held in the month of April, 2018, was this day admitted to the degree.*

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 19th August, 2018

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

H7D000088

# Jadavpur University

*Certified that*

**Madhusmita Mohanty**

*was admitted to the Degree of* Doctor of Philosophy in Engineering *of this University on* 27.06.2016 *and that the degree was conferred on him / her at the Convocation held in December* 2016 *with all the Rights and Privileges thereto appertaining.*

*In Witness whereof the Signature of the Vice-Chancellor of* Jadavpur University *is hereunto affixed.*

JADAVPUR UNIVERSITY
The 24th December, 2016

Sanjay Das
Vice-Chancellor

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No. VSSUT/2018/027

Regd. No. 140400145

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Electronics and Communications Engineering*

*on*

Biswa Ranjan Swain

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

*Vice-Chancellor*

ATTESTED

Trident Academy of Technology
Bhubaneswar-751024

...

...

...

Sl.No. : 2015408

UTKAL UNIVERSITY

# Utkal University

## ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DIPLOMA FOR DOCTOR OF PHILOSOPHY (Ph.D.)

## ବିଭୂଷଣ ଉପାଧି ପତ୍ର

*This is to certify that* **CHANDAN KUMAR DAS**

*who passed the Examination for the degree of*

*in* **Physics** *under the Faculty of* **Science & Technology**

*held in the month of* **March 2014** *was this day admitted to the Degree.*

୨୦୧୪ ମସିହା ମାର୍ଚ୍ଚ ମାସରେ ଅନୁଷ୍ଠିତ ବିଜ୍ଞାନ ଓ ପ୍ରଯୁକ୍ତି ବିଦ୍ୟା ବିଭୂଷଣ ଉପାଧି ପରୀକ୍ଷାରେ

ପଦାର୍ଥ ବିଜ୍ଞାନ ରେ ଉତ୍ତୀର୍ଣ୍ଣ ଚନ୍ଦନ କୁମାର ଦାସ କୁ ଅଦ୍ୟ ଏହି ଉପାଧି ପ୍ରଦତ୍ତ ହେଇଛି ।

Vani Vihar, Bhubaneswar
Odisha, India
The 21st February, 2015

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar

Vice-Chancellor

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

354

Letter No. 127
Dated 07.2.2017

UTKAL UNIVERSITY
VANI VIHAR BHUBANESWAR-751004

# PROVISIONAL CERTIFICATE

This is to certify that ..Sanjita Mohanty.....
.....
Regd No. 03-Chemistry-2003-04 is declared to be qualified for the award of Ph.D. / ~~D.Sc.~~ in .....Chemistry.....
.....Examination held in the year .....2017.....from Utkal University, Vani Vihar, Bhubaneswar.

07.2.2017
Checked By
07/2/17

Section Officer

Dy. Controller of Examinations
13/2/17

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

1600026 44/2012

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Pradeepta Kumar Nayak**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* English , *under the Faculty of* Humanities & Social Science *held in the month of April, 2016, was this day admitted to the degree.*

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 19th August, 2016

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

1100114

04/2011

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Sidhartha S. Mohapatra**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* **Mathematics** *, under the Faculty of* **Humanities & Social Science**

*held in the month of April, 2015, was this day admitted to the degree.*

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 19th August, 2015

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

H8D000024

# Jadavpur University

*Certified that*

**Namita Mohanty**

*was admitted to the Degree of* **Doctor of Philosophy in English** *of this University on* **27.06.2018** *and that the degree was conferred on him / her at the Convocation held in December 2018 with all the Rights and Privileges thereto appertaining.*

*In Witness whereof the Signature of the Vice-Chancellor of* **Jadavpur University** *is hereunto affixed.*

JADAVPUR UNIVERSITY
The 24th December, 2018

ATTESTED
Principal
Trident Academy of Technology

Sanjay Das
*Vice-Chancellor*

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## English

*on*

## Manoj Kumar Swain

*who has successfully completed the prescribed requirements*

*in the academic year 2015-16*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date: 13 FEB 2016

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela

[redacted] [redacted]

*On recommendation of the Board of* ***Management,***

*hereby confers the degree of*

## Doctor of Philosophy

*in*

**Physics**

*on*

## Sujata Mohanty

***who has successfully completed the prescribed requirements***

***in the academic year 2016-17***

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
B[redacted]var-751024

**Date :** 1 3 FEB 2018

*Vice-Chancellor*

18000098 112/2015

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Swetashree Pattnaik**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* **Chemistry** *under the Faculty of* **Basic Science and Humanities** *held in the month of July,* **2018,** *was this day admitted to the degree.*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 12th April, 2019

Vice-Chancellor

1900087

142/2015

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Hemanta Kumar Mishra**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in Mathematics, under the Faculty of Basic Science and Humanities held in the month of July, 2019, was this day admitted to the degree.*

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 12th April, 2020

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

H6D000011

# Jadavpur University

*Certified that*

**Diptimayee Sahoo**

*was admitted to the Degree of* **Doctor of Philosophy in English** *of this University on* **27.06.2016** *and that the degree was conferred on him / her at the Convocation held in December* 2016 *with all the Rights and Privileges thereto appertaining.*

*In Witness whereof the Signature of the Vice-Chancellor of* **Jadavpur University** *is hereunto affixed.*

JADAVPUR UNIVERSITY
The 24th December, 2016

Sucarjan Das
*Vice-Chancellor*

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No.....11113

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**PRANATI MOHAPATRA**

Registration No : 1471014659

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended

the thesis entitled :

**"Foreign Direct Investment and Economic Growth"**

in the year 2018

ATTESTED

Date 26 APR 2018

Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*
*hereby confers the degree of*

## Doctor of Philosophy

*in*

**English**

*on*

## Manoj Kumar Rath

*who has successfully completed the prescribed requirements*
*in the academic year 2018-19*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Date: 13 FEB 2019

Vice-Chancellor

Sl. No. 17197

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**BIMAL PRASAD MOHAPATRA**

Registration No : 1771012001

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Pedagogical and Psychological Means of Improving Classroom Teaching at Higher Secondary Level"**

in the year 2022

ATTESTED

Date 28 APR 2022

Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

# Utkal University

No. [illegible]

## UTKAL UNIVERSITY

DIPLOMA OF DOCTOR OF PHILOSOPHY (Ph.D.)

This is to certify that

**AMARENDRA BARAL**

Who passed the examination for the degree of

DOCTOR OF PHILOSOPHY

**MATHEMATICS** held in the

month of **JULY** **2005**, was this day

admitted to the degree

UTKAL UNIVERSITY
VANI VIHAR
BHUBANESWAR

The Dt. 03 -12-2006

ATTESTED

Trident Academy of Technology
Bhubaneswar-751024

## ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ

### ବିଲୁପ୍ତଣ ଛପାଏ ପତ୍ର

୨୦୦୫ ମସିହା ଜୁଲାଇ ମାସରେ ଅନୁଷ୍ଠିତ

ବିଜ୍ଞାନ ବିଲୁପ୍ତଣ

ଛପାଏ ପରୀକ୍ଷାରେ ଗଣିତ ଶାସ୍ତ୍ର ରେ ଉତ୍ତୀର୍ଣ୍ଣ

ଅମରେନ୍ଦ୍ର ବରାଳ

ଙ୍କୁ ଏହି ଛପାଏ ପ୍ରଦତ୍ତ ହେଲା ।

ଉତ୍କଳ
ବିଶ୍ୱବିଦ୍ୟାଳୟ
ବାଣୀ ବିହାର
ଭୁବନେଶ୍ୱର

ତାରିଖ. ୦୦ ୦୨

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-75

Sl. No. VSSUT/2017/042

Regd. No. 13050036

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Nani Gopal Das

Who has successfully completed the prescribed requirements for award of this degree in the year 2017.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2017.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

1800021

19/2014

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Sidharth Mishra**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* Information Technology , *under the Faculty of* Science and Technology *held in the month of April, 2018, was this day admitted to the degree.*

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 19th August, 2018

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

1500031

54/2015

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Pramod Kumar Sethy**

*having passed the examination for the degree of*

# Doctor of Philosophy

*in* Information Technology , *under the Faculty of* Science and Technology *held in the month of April, 2019, was this day admitted to the degree.*

ATTESTED

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Principal
Trident Academy of Technology
Bhubaneswar-751024

JYOTI VIHAR, BURLA
ODISHA, INDIA

The 19th August 2019

Sl. No. 11113

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**RANJEEP PRADHAN**

Registration No : 1471013889

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended

the thesis entitled :

**"Evaluate the IoT and 5G networks"**

in the year 2018

ATTESTED

Principal

Trident Academy of Technology

Bhubaneswar-751024

Date 28 APR 2018

CONTROLLER OF EXAMINATIONS

1800069 61/2014

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Santosh Kumar Sahu**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* Information Technology , *under the Faculty of* Science and Technology *held in the month of April, 2018, was this day admitted to the degree.*

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 19th August, 2018

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

Sl. No. VSSUT/2018/065

Regd. No. 14050012

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Information Technology*

*on*

## Soubhagya Kumar Mallick

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2018/083 Regd. No. 14050072

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Information Technology*

*on*

## Rabinarayan Mohanty

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No ....13911

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**ASHISH KUMAR BARIK**

Registration No : 1671013741

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Explore the applications of big data in tourism"**

in the year 2020

Date: 30 APR 2020

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

Sl. No. VSSUT/2020/032

Regd. No. 16080076

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Pradyumna Kumar Nayak

Who has successfully completed the prescribed requirements for award of this degree in the year 2020.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2020.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Business Administration

*on*

## Ashok Kumar Rath

*who has successfully completed the prescribed requirements*

*in the academic year 1999-2000*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date : 11 FEB 2000

*Vice-Chancellor*

# Utkal University

## Degree of Doctor of Philosophy

It is hereby certify that

MANAS RANJAN CHOWDHURY

has been admitted to the degree of

DOCTOR OF PHILOSOPHY

in Business Administration

under the faculty of

Business Studies & Management

ବିଦ୍ୟା ବିଭୂଷଣ ଯୋଗ୍ୟତା ପତ୍ର

ବ୍ୟବସାୟ ଓ ପରିଚାଳନା ବିଦ୍ୟା କ୍ଷେତ୍ରରେ

ବ୍ୟବସାୟ ପ୍ରଶାସନ ବିଷୟରେ

ମାନସ ରଞ୍ଜନ ଚୌଧୁରୀ ଙ୍କୁ

ପ୍ରଦାନ କରି ବିଦ୍ୟା ବିଭୂଷଣ ଉପାଧି ପ୍ରଦାନ କରେଳା।

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Business Administration

*on*

## Sonam Subhadarshini

*who has successfully completed the prescribed requirements*

*in the academic year 2018-19*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date : 13 FEB 2019

Vice-Chancellor

# RAVENSHAW UNIVERSITY
# CUTTACK

Notification No. Exam. Ph.D/ Management - 162 / 2015 Dated 29.06.2015

## THE DEGREE OF DOCTOR OF PHILOSOPHY IN MANAGEMENT

**Nargis Begum Ph.D Registration No. 02-MGT-2007-08 is declared to have qualified for the award of Ph.D Degree in Management under Ravenshaw University, Cuttack, Odisha. The title of the thesis is "SOCIAL ACCOUNTABILITY OF CORPORATE SECTOR : A COMPARATIVE STUDY OF TATA STEEL AND NALCO ".**

CONTROLLER OF EXAMINATIONS

**Memo No. Exam Ph D/ Management- 163 (16)/ 2015 Dated. 29.06.2015**

Copy forwarded to

1. Mrs. Nargis Begum, W/o-Sk. Sahanawaj Ahmed, Plot No. 2289, Near Bhubaneswar Hotel, Cuttack Road, Bhubaneswar-751 006
2. Dr. Sanjay Kumar Satapathy, Reader in Commerce, Ravenshaw University, Cuttack ( Supervisor )
3. Dr. Harekrushna Swain, Professor of PMIR, Utkal University, Bhubaneswar (Co-Supervisor)
4. Prof. Kartick Chandra Paul, Dept. of Business Administration, Vidyasagar University, Midnapore-721 102, West Bengal, India (External Examiner)
5. Prof. Lalit Prakash Pateriya, Dept. of Management Studies, Guru Ghasidas University, Bilaspur (C.G) (External Examiner)
6. Head of Department & Chairman, BOS, Department of Commerce, Ravenshaw University, Cuttack
7. The Director of Printing, Publication, Stationeries, Orissa Govt. Press, Cuttack for favour of publication in the next issue of the Orissa Gazette.
8. The Secretary, University Grants Commission (UGC), Bahadur Shah Zafar Marg, New Delhi, Pin 110 002, India
9. The Secretary, Association of Indian Universities, AIU House 16, Kotla Marg, New Delhi-110002
10. The Librarian, Association of Indian Universities, AIU House 16, Kotla Marg, New Delhi-110002
11. The Editor, University News, Association of Indian Universities, AIU House 16, Kotla Marg, New Delhi, 110002
12. The Director , Higher Education, Orissa , Bhubaneswar for information.
13. The Director, Ravenshaw Knowledge Centre, Ravenshaw University, Cuttack
14. OSD to Hon'ble Vice Chancellor
15. Steno to Hon'ble Vice Chancellor
16. Guard File (5 copies)

CONTROLLER OF EXAMINATIONS

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

# Biju Patnaik University of Technology, Odisha

Rourkela







*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Computer Applications

*on*

## Kaustuva Chandra Dev

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*



ATTESTED

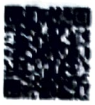
Principal
Trident Academy of Technology
Bhubaneswar-751024

Date : 13 FEB 2019

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela







*On recommendation of the Board of* ***Management,***

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Computer Applications

*on*

## Sanjeev Narayan Bal

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*



ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date : 13 FEB 2019

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela

[redacted] [redacted]

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Computer Applications

*on*

## Ashok Kumar Sahoo

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
Bh[redacted]ar-751024

Date : 13 FEB 2019

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela

On recommendation of the Board of Management,

hereby confers the degree of

## Doctor of Philosophy

*in*

## Computer Applications

*on*

## Dipalika Das

*who has successfully completed the prescribed requirements*

*in the academic year 2018-19*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal

Trident Academy of Technology

Bhubaneswar-751024

Date : 13 FEB 2019

Vice-Chancellor

Sl. No. 1111

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**KALYANI PRADHAN**

Registration No : 1471012058

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended the thesis entitled :

**"Manufacturing processes and engineering economics"**

in the year 2018

ATTESTED

Date: 28 APR 2018

Principal
Trident Academy of Technology
Bhubaneswar 751024

CONTROLLER OF EXAMINATIONS

2000026 52/2016

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Diptiranjan Panda**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* Mechanical Engineering , *under the Faculty of* Science and Technology *held in the month of April, 2020, was this day admitted to the degree.*

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 19th August, 2020

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

H7D000058

# Jadavpur University

*Certified that*

## Akshaya Kumar Nayak

*was admitted to the Degree of* Doctor of Philosophy in Engineering *of the University on* 27.06.2017 *and that the degree was conferred on him here at the Convocation held in December 2017 with all the Rights and Privileges thereto appertaining.*

*In Witness whereof the Signature of the Vice-Chancellor of* Jadavpur University *is hereunto affixed.*

JADAVPUR UNIVERSITY
The 24th December, 2017

ATTESTED

Trident Academy of Technology
Bhubaneswar-751024

ATTESTED

Vice-Chancellor

Principal
Trident Academy of Technology
Bhubaneswar-751024

[illegible] 110/2009

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Ajay Kumar Sahoo**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* **Mechanical Engineering,** *under the Faculty of* **Science and Technology** *held in the month of April, 2017, was this day admitted to the degree.*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

JYOTI VIHAR, BURLA
ODISHA, INDIA

The 6th January, 2018

Vice-Chancellor

No. - PHD1400003

Reg. No. - 10365617424



# KIIT UNIVERSITY

(Declared deemed to be University under section 3 of the UGC Act, 1956)
BHUBANESWAR

Upon recommendation of the Academic Council hereby confers the Degree of

## DOCTOR OF PHILOSOPHY

in

**Computer Science & Engineering**

on

**Padmabati Chand**

who has successfully completed the course of study in year 2014 as prescribed under the regulations

The title of the thesis being **"Optimal Solution of Vehicle Routing Problem Using Multi-Objective Evolutionary Algorithms"**

Given under the seal of KIIT University in the Republic of India on the eighth day of November Two Thousand Fourteen

Registrar

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice - Chancellor

Chancellor

To verify the authenticity of this certificate visit : www.kiit.ac.in

Ph. D: No: 00382 Dtd. No. 6100/20-8-04.

# Berhampur University

DIPLOMA FOR DOCTOR OF PHILOSOPHY

This is to certify that

Sakuntala Mahapatra

who passed the examination

for the degree of

**DOCTOR OF PHILOSOPHY**

in Electronic Science

held in the month of August, 2004.

was this day admitted to the degree.

BERHAMPUR UNIVERSITY, BHANJA BIHAR,
BERHAMPUR-760 007.

Dated The 18 FEB 2006 200

Vice-Chancellor

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

SECTARY/D.R

# TRIDENT ACADEMY OF TECHNOLOGY

# 2019-20

| Sl.No. | Name | Designation | Name of the Department | Highest Qualification (NET/SET/SLET/ Ph. D./D.Sc. / D.Litt./L.L.D. ) and Year of obtaining |
|---|---|---|---|---|
| 1 | Dr. Arup Sarkar | Professor | BIOTECH | Ph.D,2009 |
| 2 | Dr. Deoraj Sharma | Associate Professor | BIOTECH | Ph.D,2013 |
| 3 | Dr.Anshuman Sarangi | Associate Professor | BIOTECH | Ph.D,2017 |
| 4 | Dr. Ashok Sarangi | Assistant Professor | BIOTECH | Ph.D,2018 |
| 5 | Dr. Sanjay Kumar Behera | Associate Professor | CIVIL | Ph.D,2018 |
| 6 | Dr.Roma Sahoo | Assistant Professor | CIVIL | Ph.D,2018 |
| 7 | Dr. Abhaya Kumar Samal | Professor | CSE | Ph.D, 2013 |
| 8 | Dr. Rabi Narayan Satpathy | Professor | CSE | Ph.D, 2004 |
| 9 | Dr. Mahendra Nath Dwibedi | Professor | CSE | Ph.D, 2003 |
| 10 | Dr. Biswaranjan Nayak | Professor | CSE | Ph.D,2013 |
| 11 | Dr. Satya Ranjan Biswal | Associate Professor | CSE | Ph.D,2019 |
| 12 | Dr. Pragyan Paramita Das | Associate Professor | CSE | Ph.D,2018 |
| 13 | Dr. Sashi Bhusan Parida | Associate Professor | CSE | Ph.D,2019 |
| 14 | Dr. Sudhansu Ranjan Lenka | Associate Professor | CSE | Ph.D,2019 |
| 15 | Dr. Sasmita Mishra | Associate Professor | CSE | Ph.D,2019 |
| 16 | Dr. Dakshya Prasad Pati | Associate Professor | CSE | Ph.D,2018 |
| 17 | Dr. Basudev Nath | Associate Professor | CSE | Ph.D,2018 |
| 18 | Dr. Sibananda Behera | Associate Professor | CSE | Ph.D,2018 |
| 19 | Dr. Simantika Ray | Associate Professor | CSE | Ph.D,2018 |
| 20 | Dr.Ranjeep Pradhan | Assistant Professor | CSE | Ph.D,2018 |
| 21 | Dr. Dayal Kumar Behera | Associate Professor | CSE | Ph.D,2018 |
| 22 | Dr.Rekha Sahoo | Assistant Professor | CSE | Ph.D,2016 |

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

| | | | | |
|---|---|---|---|---|
| 23 | Dr. Rahul Ranjan | Associate Professor | CSE | Ph.D,2018 |
| 24 | Dr. Aditya Narayan Das | Assistant Professor | CSE | Ph.D,2018 |
| 25 | Dr. Sumati Baral | Assistant Professor | CSE | Ph.D,2019 |
| 26 | Dr. Pratiti Mishra | Assistant Professor | CSE | Ph.D,2018 |
| 27 | Dr. Pradipta Kumar Mishra | Associate Professor | CSE | Ph.D,2019 |
| 28 | Dr. Subhra Swetanisha | Associate Professor | CSE | Ph.D,2018 |
| 29 | Mr.Biswaranjan Nanda | Assistant Professor | CSE | Ph.D,2017 |
| 30 | Dr.Soma Gupta | Assistant Professor | CSE | Ph.D,2018 |
| 31 | Dr.Subhajit Jagdev | Associate Professor | CSE | Ph.D,2018 |
| 32 | Dr.Sumitra Ojha | Assistant Professor | CSE | Ph.D,2018 |
| 33 | Dr. Padmabati Chand | Professor | CST | Ph.D,2014 |
| 34 | Dr. Arpita Nibedita | Associate Professor | CST | Ph.D,2018 |
| 35 | Dr.Arun Kumar Pradhan | Associate Professor | CST | Ph.D,2018 |
| 36 | Dr. Monalisa Rout | Assistant Professor | CST | Ph.D,2018 |
| 37 | Dr. Satya Sundar Mishra | Assistant Professor | CST | Ph.D,2018 |
| 38 | Dr. Deba Narayan Pattnaik | Professor | EE | Ph.D,2012 |
| 39 | Dr. Yasbonata Panda | Associate Professor | EE | Ph.D,2019 |
| 40 | Dr. Susmita Das | Assistant Professor | EEE | Ph.D,2018 |
| 41 | Dr. P K Sahoo | Professor | EEE | Ph.D,2016 |
| 42 | Dr. Sitya Ranjan Dash | Associate Professor | EEE | Ph.D,2018 |
| 43 | Dr. Lohit Ku.Sahoo | Assistant Professor | EEE | Ph.D,2017 |
| 44 | Dr. Mir Manjur Elahi | Assistant Professor | EEE | Ph.D,2018 |
| 45 | Dr. Sakuntala Mahapatra | Professor | ETC | Ph.D 2004 |
| 46 | Dr. Rabindra Bhojray | Associate Professor | ETC | Ph.D,2018 |
| 47 | Dr. Millee Panigrahi | Associate Professor | ETC | Ph.D,2018 |
| 48 | Dr. Md. Rizwan Khan | Associate Professor | ETC | Ph.D,2018 |
| 49 | Dr. Rina Mahakud | Assistant Professor | ETC | Ph.D,2016 |
| 50 | Dr. Sumanta Kumar Mohapatra | Assistant Professor | ETC | Ph.D,2018 |
| 51 | Dr. Madhusmita Mohanty | Assistant Professor | ETC | Ph.D,2016 |
| 52 | Dr. Shuvendra Kumar Tripathy | Assistant Professor | ETC | Ph.D,2018 |



ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

| | | | | |
|---|---|---|---|---|
| 53 | Dr. Satya Narayan Rath | Assistant Professor | ETC | Ph.D,2017 |
| 54 | Dr. Minu Samantaray | Assistant Professor | ETC | Ph.D,2018 |
| 55 | Dr. Biswa Ranjan Swain | Assistant Professor | ETC | Ph.D,2018 |
| 56 | Dr.Amarendra Baral. | Professor | H & S | Ph.D,2005 |
| 57 | Dr Manas Ranjan Senapati. | Professor | H & S | Ph.D,1993 |
| 58 | Dr. Chandan kumar Das. | Professor | H & S | Ph.D,2014 |
| 59 | Dr Sanjita Mohanty. | Associate Professor | H & S | Ph.D,2017 |
| 60 | Dr Pradeepta kumar Nayak | Associate Professor | H & S | Ph.D,2016 |
| 61 | Dr Sidhartha S. Mohapatra | Associate Professor | H & S | Ph.D,2015 |
| 62 | Dr Namita Mohanty | Associate Professor | H & S | Ph.D,2018 |
| 63 | Dr.Manoj Kumar Swain | Associate Professor | H & S | Ph.D,2016 |
| 64 | Dr Sujata Mohanty. | Associate Professor | H & S | Ph.D,2017 |
| 65 | Dr. Swetashree pattnaik | Associate Professor | H & S | Ph.D,2018 |
| 66 | Dr Hemanta Kumar Mishra | Associate Professor | H & S | Ph.D,2019 |
| 67 | Dr. Diptimayee Sahoo | Associate Professor | H & S | Ph.D,2016 |
| 68 | Dr Ashok kumar Sahu. | Assistant Professor | H & S | Ph.D,2019 |
| 69 | Dr. Pranati Mohapatra | Assistant Professor | H & S | Ph.D,2018 |
| 70 | Dr. Manoj Kumar Rath | Assistant Professor | H & S | Ph.D,2019 |
| 71 | Dr. Bimal Prasad Mohapatra | Assistant Professor | H & S | Ph.D,2022 |
| 72 | Dr. Jhalak Hota | Assistant Professor | IT | Ph.D,2018 |
| 73 | Dr. Nani Gopal Das | Associate Professor | IT | Ph.D,2017 |
| 74 | Dr. Santosh Kumar Sahu | Assistant Professor | IT | Ph.D,2019 |
| 75 | Dr. Soubhagya Kumar Mallick | Assistant Professor | IT | Ph.D,2018 |
| 76 | Dr.Mohini Mishra | Assistant Professor | IT | Ph.D,2018 |
| 77 | Dr.Pramod Kumar Sethy | Assistant Professor | IT | Ph.D,2018 |
| 78 | Dr.Pradyumna Kumar Nayak | Assistant Professor | IT | PhD,2020 |
| 79 | Dr. Ashish Kumar Barik | Assistant Professor | IT | Ph.D,2020 |
| 80 | Dr.Sidharth Mishra | Assistant Professor | IT | Ph.D,2018 |

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

| | | | | |
|---|---|---|---|---|
| 81 | Dr. Ashok Kumar Rath | Professor | MBA | Ph.D,2000 |
| 82 | Dr. Manas Ranjan Choudhury | Assistant Professor | MBA | Ph.D,2018 |
| 83 | Dr. Nargis Begum | Associate Professor | MBA | Ph.D 2015 |
| 84 | Dr. Sonam Subhadarshini | Assistant Professor | MBA | Ph.D,2019 |
| 85 | Dr. Kaustuva Chandra Dev | Professor | MCA | Ph.D |
| 86 | Dr. Sanjeev Narayan Bal | Associate Professor | MCA | Ph.D,2018 |
| 87 | Dr. Dipalika Das | Assistant Professor | MCA | Ph.D,2019 |
| 88 | Dr.Ashok Kumar Sahoo | Assistant Professor | MCA | Ph.D,2018 |
| 89 | Dr. Ajay Kumar Sahoo | Professor | Mechanical | Ph.D,2017 |
| 90 | Dr. Akshaya Kumar Nayak | Assistant Professor | Mechanical | Ph.D,2017 |
| 91 | Dr. Kalyani Pradhan | Assistant Professor | Mechanical | Ph.D,2018 |

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No.....

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**ASHOK SARANGI**

Registration No : 1471013149

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended

the thesis entitled :

**"Nanotechnology is a new technology that can be applied to DNA genotyping"**

in the year 2018

Date 28 APR 2018

CONTROLLER OF EXAMINATIONS

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

# Promotionsurkunde

Die Technisch-Naturwissenschaftliche Fakultät der Universität zu Lübeck
verleiht

unter der Präsidentschaft
des Professors Dr. med. Peter Dominiak
und unter dem Dekanat
des Professors Dr. rer. nat. Jürgen Prestin

## Herr Arup Sarkar, M. Sc.

geboren am 06. Juli 1976 in Kolkata, Indien

den Grad eines

## Doktors der Naturwissenschaften

(Dr. rer. nat.)

nachdem er im ordentlichen Promotionsverfahren
durch die mit cum laude beurteilte Dissertation

**„Multiple Facets of Neutrophil Apoptosis Modulation by the Intracellular Pathogens *Anaplasma phagocytophilum Chlamydia pneumoniae* and *Leishmania major*"**

sowie in einer mündlichen Doktorprüfung
seine wissenschaftliche Befähigung erwiesen

und danach die
Gesamtbeurteilung cum laude (Gesamtnote: 2,0)
erhalten hat

Lübeck, 18. November 2009

Der Dekan

Prof. Dr. rer. nat. Jürgen Prestin

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

PhD2018134

# Utkal University

ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ

## Degree of Doctor of Philosophy

*This is to certify that*

**ANSHUMAN SARANGI**

*has been this day admitted to the degree of*

**DOCTOR OF PHILOSOPHY**

*in* **Life Science**

*under the faculty of*

**Science & Technology**

ବିଦ୍ୟା ବିଭୂଷଣ ଯୋଗ୍ୟତା ପତ୍ର

ବିଜ୍ଞାନ ଓ ପ୍ରଯୁକ୍ତି ବିଦ୍ୟା କ୍ଷେତ୍ରରେ

ଜୀବ ବିଜ୍ଞାନ ବିଷୟରେ

ଅଂଶୁମାନ ଷଡଙ୍ଗୀ କୁ

ଆଜି ଏହି ବିଦ୍ୟା ବିଭୂଷଣ ଉପାଧି ପ୍ରଦତ୍ତ ହେଲା।

The 23th March, 2019

Vice Chancellor

ATTESTED

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Principal
Trident Academy of Technology
Bhubaneswar-751024

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Civil Engineering

*on*

## Sanjay Kumar Behera

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal

Trident Academy of Technology

Bhubaneswar-751024

Date : 13 FEB 2018

*Vice-Chancellor*

# National Institute of Technology
# Rourkela

Upon the recommendation of the Senate,
hereby confers the degree of

## Doctor of Philosophy

on

*Roma Sahu*

who has successfully defended the thesis entitled

*"Studies on Ultimate Bearing Capacity of Shallow Foundations resting over Geogrid-reinforced Sand under Centric Inclined and Eccentric Vertical Load"*

and has fulfilled all other requirements
for the degree in the Department of
*Civil Engineering.*

Given this day, under the seal of the Institute
at Rourkela in the Republic of India,
the 19th Day of January 2019.

Registrar

Director

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

ATTESTED
Trident Academy of Technology
Bhubaneswar-751024

Scanned by CamScanner

Sl. No.....13179

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**SUMATI BARAL**

Registration No : 1571013117

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended

the thesis entitled :

**"The role of AI in improving urban planning and smart city initiatives"**

in the year 2019

ATTESTED

Principal

Trident Academy of Technology

Bhubaneswar-751024

Date 28 APR 2019

CONTROLLER OF EXAMINATIONS

Sl. No. VSSUT/2018/005

Regd. No. 14060015

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Pratiti Mishra

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice- Chancellor*

Sl. No. 11111

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**REKHA SAHU**

Registration No : 1171012659

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Resources Management Polices in Cloud Environment"**

in the year 2016

ATTESTED

Date: 28 APR 2016

Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

Sl. No. 15113

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**JHALAK HOTA**

Registration No : 1571012017

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended the thesis entitled :

**"Efficient Algorithms for the Maximum Convex Sum Problem"**

in the year 2018

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date 28 APR 2019

CONTROLLER OF EXAMINATIONS

ATTESTED

# Biju Patnaik University of Technology, Odisha

Rourkela







*On recommendation of the Board of* ***Management,***

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Computer Science and Engineering

*on*

## Mohini Prasad Mishra

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*



ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date : 13 FEB 2019

Vice-Chancellor

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Abhaya Kumar Samal**

*having passed the examination for the degree of*

# Doctor of Philosophy

*in* **Engineering**, *under the Faculty of* **Science and Technology** *held in the month of November, 2013, was this day admitted to the degree.*

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 19th August, 2015

ATTESTED
Vice-Chancellor

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Principal
Trident Academy of Technology
Bhubaneswar-751024

# The International University of Contemporary Studies

## Greetings

RABI NARAYAN SATPATHY

## Degree

DOCTOR OF SCIENCE IN COMPUTER SCIENCE & ENGINEERING

FIFTH DECEMBER

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

# Utkal University

No. 001305

## UTKAL UNIVERSITY

DIPLOMA FOR DOCTOR OF PHILOSOPHY (Ph.D.)

*This is to certify that*

**MAHENDRA NATH DWIBEDI**

*Who passed the examination for the degree of,*

*DOCTOR OF PHILOSOPHY*

IN **COMPUTER SCIENCE** *held in the*

*month of* **APRIL** **2003** *, was this day*

*admitted to the degree.*

UTKAL UNIVERSITY VANI VIHAR BHUBANESWAR

The 15th December 2003

Vice Chancellor

## ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ

### ବିଜ୍ଞାନ ଉପାଧି ପତ୍ର

୨୦୦୩ ମସିହା ଅପ୍ରେଲ ମାସରେ ଅନୁଷ୍ଠିତ

ବିଜ୍ଞାନ ବିଭାଗ

ଉପାଧି ପରୀକ୍ଷାରେ କମ୍ପୁଟର ବିଜ୍ଞାନ ରେ ଉତ୍ତୀର୍ଣ୍ଣ

ମାହେନ୍ଦ୍ରନାଥ ଦ୍ୱିବେଦୀ

ଅଦ୍ୟ ଏହି ଉପାଧି ପ୍ରଦତ୍ତ ହେଲା ।

ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ ବାଣୀ ବିହାର ଭୁବନେଶ୍ୱର

ଉପକୁଳପତି

ତା ୧୫ ଡିସେମ୍ବର ୨୦୦୩

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No. VSSUT/2013/003

Regd. No. 09060011

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Biswaranjan Nayak

Who has successfully completed the prescribed requirements for award of this degree in the year 2013.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2013.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2018/008

Regd. No. 14050035

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

Satya Ranjan Biswal

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2018/013

Regd. No. 14050135

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Dayal Kumar Behera

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2018/009

Regd. No. 14060005

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

Rahul Ranjan

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

*Vice-Chancellor*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No. VSSUT/2018/011

Regd. No. 140600070

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Aditya Narayan Das

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No.....11173

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**DAKSHYA PRASAD PATI**

Registration No : 1471012247

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended

the thesis entitled :

**"Analyze the significance of big data on the IoT"**

in the year 2018

ATTESTED

Date 28 APR 2018

Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

Sl. No. 11173

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**BASUDEV NATH**

Registration No : 1471012741

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Evaluate the adaptive systems and models at runtime"**

in the year 2018

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date 28 APR 2018

CONTROLLER OF EXAMINATIONS

Sl. No. VSSUT/2018/012

Rogd. No. 140600016

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Sibananda Behera

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

*Vice-Chancellor*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No. VSSUT/2018/044

Regd. No. 14060096

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Simantika Ray

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2018/072

Regd. No. 140600076

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Subhra Swetanisha

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

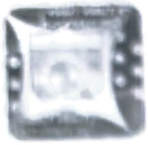
*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2018/077 Regd. No. 140600036





# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Pragnya Paramita Dash

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. 1[illegible]

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**ARPITA NIBEDITA**

Registration No : 1471012699

has completed all the prescribed requirements and possesses the proficiency for the award of degree of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Pattern Recognition And Machine Learning"**

in the year 2018

Date 28 APR 2018

CONTROLLER OF EXAMINATIONS

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No. 1[illegible]

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

ARUN KUMAR PRADHAN

Registration No : 1471012041

has completed all the prescribed requirements and possesses the proficiency for the award of degree of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Real-time image detection in videos"**

in the year 2018

Date: 28 APR 2018

CONTROLLER OF EXAMINATIONS

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No.....13173

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**MONALISA ROUT**

Registration No : 16710125487

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended

the thesis entitled :

**"Wheat Rust Detection Using Deeplearning"**

in the year 2018

Date 28 APR 2019

CONTROLLER OF EXAMINATIONS

Principal
Trident Academy of Technology
Bhubaneswar-751024

ATTESTED

Sl. No. 11139

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**SOMA GUPTA**

Registration No : 1371012007

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended

the thesis entitled :

**"Understanding and Improving Object Oriented Software Through Static Software Analysis"**

in the year 2018

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date: 28 APR 2018

CONTROLLER OF EXAMINATIONS

ATTESTED

Sl. No.....11137

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**SUBHAJIT JAGDEV**

Registration No : 1471012088

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Security and Privacy Challenges in Cloud Computing "**

in the year 2018

Date 28 APR 2018

Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

ATTESTED

Sl. No. VSSUT/2018/019 Regd. No. 140600026

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Sumitra Ojha

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. 13137

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**SASHI BHUSAN PARIDA**

Registration No : 1571013117

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Discuss the significance of the IoT-based supply chains"**

in the year 2019

Date 28 APR 2019

Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

ATTESTED

Sl. No. 13133

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**SUDHANSU RANJAN LENKA**

Registration No : 1571013879

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended

the thesis entitled :

**"Development of an effective credit scoring model using Artificial Intelgency for financial sector"**

in the year 2019

Date 28 APR 2019

Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

ATTESTED

Sl. No ....15117

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**SASMITA MISHRA**

Registration No : 1571015588

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended

the thesis entitled :

**"Discuss the working of ultra-power IoT technologies"**

in the year 2019

ATTESTED

Date 28 APR 2019

Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

Sl. No. VSSUT/2023/007

Regd. No. 190800170

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Ch. Biswaranjan Nanda

Who has successfully completed the prescribed requirements for award of this degree in the year 2023.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2023.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2019/043

Regd. No. 15050085

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Pradipta Kumar Mishra

Who has successfully completed the prescribed requirements for award of this degree in the year 2019.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2019.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2018/018

Regd. No. 14050021

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Satya Sundar Mishra

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2019/013

Regd. No. 15060055

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Electrical Engineering*

*on*

## Yashobanta Panda

Who has successfully completed the prescribed requirements for award of this degree in the year 2019.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2019.

Siddhi Vihar, Burla
Sambalpur - 768 018
Odisha, India

Vice-Chancellor

Principal
Indest Academy of Technology

20120071

# Jadavpur University

Certified that

**Sri Deba Narayan Pattanayak**

was admitted to the Degree of **Doctor of Philosophy in Engineering** of this University on 11/05/2012 and that the degree was conferred on him / her at the Convocation held in December 2012 with all the Rights and Privileges thereto appertaining.

In Witness whereof the Signature of the Vice-Chancellor of **Jadavpur University** is hereunto affixed.

JADAVPUR UNIVERSITY
The 24th December, 2012

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No. VSSUT/2016/026

Regd. No. 12060015

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Electrical and Electronics Engineering*

*on*

## Pradeepta Kumar Sahoo

Who has successfully completed the prescribed requirements for award of this degree in the year 2016.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2016.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Engineering

*on*

## Mir Manjur Elahi

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date : 1 3 FEB 2019

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela

[redacted] [redacted]

*On recommendation of the Board of* ***Management,***

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Engineering

*on*

## Shitya Ranjan Das

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024
[redacted]

Date : 13 FEB 2019

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Engineering

*on*

## Lohit Kumar Sahoo

*who has successfully completed the prescribed requirements*

*in the academic year 2016-17*

*Given at Rourkela on this day under the seal of the University.*

Date : 13 FEB 2018

ATTESTED

Principal
Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

# Biju Patnaik University of Technology, Odisha

Rourkela

[redacted] [redacted]

*On recommendation of the Board of* ***Management,***

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Engineering

*on*

## Susmita Das

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
Bhuban[redacted]1024

Date : 13 FEB 2019

*Vice-Chancellor*

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Engineering

*on*

## Rabindra Bhojray

*who has successfully completed the prescribed requirements*

*in the academic year 2003-04*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal

Trident Academy of Technology

[redacted]eswar-751024

Date : 18 MAR 2004

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of* ***Management,***

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Engineering

*on*

## Shuvendra Kumar Tripathy

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
Bhu[redacted]-751024

Date : 13 FEB 2019

Vice-Chancellor

Sl. No. VSSUT/2018/014

Regd. No. 14060115

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Electronics and Communications Engineering*

*on*

## Millee Panigrahi

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2016/044 Regd. No. 12040105

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Electronics and Communications Engineering*

*on*

## Rina Mahakud

Who has successfully completed the prescribed requirements for award of this degree in the year 2016.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2016.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

# Biju Patnaik University of Technology, Odisha

Rourkela

[redacted] [redacted]

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Engineering

*on*

## Satyanarayan Rath

*who has successfully completed the prescribed requirements*

*in the academic year 2016-17*

*Given at Rourkela on this day under the seal of the University.*

Date : 13 FEB 2018

ATTESTED

Principal
Trident Academy of Technology
[redacted]-751024

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela

[redacted] [redacted]

*On recommendation of the Board of* ***Management,***

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Engineering

*on*

## Minu Samantaray

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
B[redacted]var-751024

Date : 13 FEB 2019

*Vice-Chancellor*

Sl. No. VSSUT/2018/017 Regd. No. 140400110

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Electronics and Communications Engineering*

*on*

## Md Rizwan Khan

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

1800035 16/2014

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Sumanta Kumar Mohapatra**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* Electronics Science , *under the Faculty of* Science and Technology *held in the month of April, 2018, was this day admitted to the degree.*

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 19th August, 2018

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

H7D000088

# Jadavpur University

*Certified that*

**Madhusmita Mohanty**

*was admitted to the Degree of* Doctor of Philosophy in Engineering *of this University on* 27.06.2016 *and that the degree was conferred on him / her at the Convocation held in December* 2016 *with all the Rights and Privileges thereto appertaining.*

*In Witness whereof the Signature of the Vice-Chancellor of* Jadavpur University *is hereunto affixed.*

JADAVPUR UNIVERSITY
The 24th December, 2016

Sanjay Das
Vice-Chancellor

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No. VSSUT/2018/027

Regd. No. 140400145

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Electronics and Communications Engineering*

*on*

Biswa Ranjan Swain

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

*Vice-Chancellor*

ATTESTED

Trident Academy of Technology
Bhubaneswar-751024

...

...

...

Sl.No. : 2015408

UTKAL UNIVERSITY

# Utkal University

## ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DIPLOMA FOR DOCTOR OF PHILOSOPHY (Ph.D.)

## ବିଭୂଷଣ ଉପାଧି ପତ୍ର

*This is to certify that* **CHANDAN KUMAR DAS**

*who passed the Examination for the degree of*

*in* **Physics** *under the Faculty of* **Science & Technology**

*held in the month of* **March 2014** *was this day admitted to the Degree.*

୨୦୧୪ ମସିହା ମାର୍ଚ୍ଚ ମାସରେ ଅନୁଷ୍ଠିତ ବିଜ୍ଞାନ ଓ ପ୍ରଯୁକ୍ତି ବିଦ୍ୟା ବିଭୂଷଣ ଉପାଧି ପରୀକ୍ଷାରେ

ପଦାର୍ଥ ବିଜ୍ଞାନ ରେ ଉତ୍ତୀର୍ଣ୍ଣ ଚନ୍ଦନ କୁମାର ଦାସ କୁ ଅଦ୍ୟ ଏହି ଉପାଧି ପ୍ରଦତ୍ତ ହେଇଛି ।

Vani Vihar, Bhubaneswar
Odisha, India
The 21st February, 2015

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar

Vice-Chancellor

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

354

Letter No. 127
Dated 07.2.2017

UTKAL UNIVERSITY
VANI VIHAR BHUBANESWAR-751004

# PROVISIONAL CERTIFICATE

This is to certify that ..Sanjita Mohanty.....
.....
Regd No. 03-Chemistry-2003-04 is declared to be qualified for the award of Ph.D. / ~~D.Sc.~~ in .....Chemistry.....
.....Examination held in the year .....2017.....from Utkal University, Vani Vihar, Bhubaneswar.

07.2.2017
Checked By
07/2/17

Section Officer

Dy. Controller of Examinations
13/2/17

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

1600026 44/2012

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Pradeepta Kumar Nayak**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* English , *under the Faculty of* Humanities & Social Science *held in the month of April, 2016, was this day admitted to the degree.*

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 19th August, 2016

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

1100114

04/2011

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Sidhartha S. Mohapatra**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* **Mathematics** *, under the Faculty of* **Humanities & Social Science**

*held in the month of April, 2015, was this day admitted to the degree.*

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 19th August, 2015

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

H8D000024

# Jadavpur University

*Certified that*

**Namita Mohanty**

*was admitted to the Degree of* **Doctor of Philosophy in English** *of this University on* **27.06.2018** *and that the degree was conferred on him / her at the Convocation held in December 2018 with all the Rights and Privileges thereto appertaining.*

*In Witness whereof the Signature of the Vice-Chancellor of* **Jadavpur University** *is hereunto affixed.*

JADAVPUR UNIVERSITY
The 24th December, 2018

ATTESTED
Principal
Trident Academy of Technology

Sanjay Das
*Vice-Chancellor*

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## English

*on*

## Manoj Kumar Swain

*who has successfully completed the prescribed requirements*

*in the academic year 2015-16*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date: 13 FEB 2016

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela

[redacted] [redacted]

*On recommendation of the Board of* ***Management,***

*hereby confers the degree of*

## Doctor of Philosophy

*in*

**Physics**

*on*

## Sujata Mohanty

***who has successfully completed the prescribed requirements***

***in the academic year 2016-17***

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
B[redacted]var-751024

**Date :** 1 3 FEB 2018

*Vice-Chancellor*

18000098 112/2015

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Swetashree Pattnaik**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* **Chemistry** *under the Faculty of* **Basic Science and Humanities** *held in the month of July,* **2018,** *was this day admitted to the degree.*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 12th April, 2019

Vice-Chancellor

1900087

142/2015

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Hemanta Kumar Mishra**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in Mathematics, under the Faculty of Basic Science and Humanities held in the month of July, 2019, was this day admitted to the degree.*

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 12th April, 2020

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

H6D000011

# Jadavpur University

*Certified that*

**Diptimayee Sahoo**

*was admitted to the Degree of* **Doctor of Philosophy in English** *of this University on* **27.06.2016** *and that the degree was conferred on him / her at the Convocation held in December* 2016 *with all the Rights and Privileges thereto appertaining.*

*In Witness whereof the Signature of the Vice-Chancellor of* **Jadavpur University** *is hereunto affixed.*

JADAVPUR UNIVERSITY
The 24th December, 2016

Sucarjan Das
*Vice-Chancellor*

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No.....11113

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**PRANATI MOHAPATRA**

Registration No : 1471014659

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended

the thesis entitled :

**"Foreign Direct Investment and Economic Growth"**

in the year 2018

ATTESTED

Date 26 APR 2018

Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*
*hereby confers the degree of*

## Doctor of Philosophy

*in*

**English**

*on*

## Manoj Kumar Rath

*who has successfully completed the prescribed requirements*
*in the academic year 2018-19*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Date: 13 FEB 2019

Vice-Chancellor

Sl. No. 17197

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**BIMAL PRASAD MOHAPATRA**

Registration No : 1771012001

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Pedagogical and Psychological Means of Improving Classroom Teaching at Higher Secondary Level"**

in the year 2022

ATTESTED

Date 28 APR 2022

Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

# Utkal University

No. [illegible]

## UTKAL UNIVERSITY

DIPLOMA OF DOCTOR OF PHILOSOPHY (Ph.D.)

This is to certify that

**AMARENDRA BARAL**

Who passed the examination for the degree of

DOCTOR OF PHILOSOPHY

**MATHEMATICS** held in the

month of **JULY** **2005**, was this day

admitted to the degree

UTKAL UNIVERSITY
VANI VIHAR
BHUBANESWAR

The Dt. 03 -12-2006

ATTESTED

Trident Academy of Technology
Bhubaneswar-751024

## ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ

### ବିଲୁପ୍ତଣ ଛପାଏ ପତ୍ର

୨୦୦୫ ମସିହା ଜୁଲାଇ ମାସରେ ଅନୁଷ୍ଠିତ

ବିଜ୍ଞାନ ବିଲୁପ୍ତଣ

ଛପାଏ ପରୀକ୍ଷାରେ ଗଣିତ ଶାସ୍ତ୍ର ରେ ଉତ୍ତୀର୍ଣ୍ଣ

ଅମରେନ୍ଦ୍ର ବରାଳ

ଙ୍କୁ ଏହି ଛପାଏ ପ୍ରଦତ୍ତ ହେଲା ।

ଉତ୍କଳ
ବିଶ୍ୱବିଦ୍ୟାଳୟ
ବାଣୀ ବିହାର
ଭୁବନେଶ୍ୱର

ତାରିଖ. ୦୦ ୦୨

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-75

Sl. No. VSSUT/2017/042

Regd. No. 13050036

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Nani Gopal Das

Who has successfully completed the prescribed requirements for award of this degree in the year 2017.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2017.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

1800021

19/2014

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Sidharth Mishra**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* Information Technology , *under the Faculty of* Science and Technology *held in the month of April, 2018, was this day admitted to the degree.*

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 19th August, 2018

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

1500031

54/2015

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Pramod Kumar Sethy**

*having passed the examination for the degree of*

# Doctor of Philosophy

*in* Information Technology , *under the Faculty of* Science and Technology *held in the month of April, 2019, was this day admitted to the degree.*

ATTESTED

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Principal
Trident Academy of Technology
Bhubaneswar-751024

JYOTI VIHAR, BURLA
ODISHA, INDIA

The 19th August 2019

Sl. No. 11113

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**RANJEEP PRADHAN**

Registration No : 1471013889

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended

the thesis entitled :

**"Evaluate the IoT and 5G networks"**

in the year 2018

ATTESTED

Principal

Trident Academy of Technology

Bhubaneswar-751024

Date 28 APR 2018

CONTROLLER OF EXAMINATIONS

1800069 61/2014

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Santosh Kumar Sahu**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* Information Technology , *under the Faculty of* Science and Technology *held in the month of April, 2018, was this day admitted to the degree.*

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 19th August, 2018

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

Sl. No. VSSUT/2018/065

Regd. No. 14050012

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Information Technology*

*on*

## Soubhagya Kumar Mallick

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No ....13911

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**ASHISH KUMAR BARIK**

Registration No : 1671013741

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Explore the applications of big data in tourism"**

in the year 2020

Date: 30 APR 2020

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

Sl. No. VSSUT/2020/032

Regd. No. 16080076

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Pradyumna Kumar Nayak

Who has successfully completed the prescribed requirements for award of this degree in the year 2020.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2020.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Business Administration

*on*

## Ashok Kumar Rath

*who has successfully completed the prescribed requirements*

*in the academic year 1999-2000*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date : 11 FEB 2000

*Vice-Chancellor*

# Utkal University

## Degree of Doctor of Philosophy

It is hereby certify that

MANAS RANJAN CHOWDHURY

has been admitted to the degree of

DOCTOR OF PHILOSOPHY

in Business Administration

under the faculty of

Business Studies & Management

ବିଦ୍ୟା ବିଭୂଷଣ ଯୋଗ୍ୟତା ପତ୍ର

ବ୍ୟବସାୟ ଓ ପରିଚାଳନା ବିଦ୍ୟା କ୍ଷେତ୍ରରେ

ବ୍ୟବସାୟ ପ୍ରଶାସନ ବିଷୟରେ

ମାନସ ରଞ୍ଜନ ଚୌଧୁରୀ ଙ୍କୁ

ପ୍ରଦାନ କରି ବିଦ୍ୟା ବିଭୂଷଣ ଉପାଧି ପ୍ରଦାନ କରେଳା।

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Business Administration

*on*

## Sonam Subhadarshini

*who has successfully completed the prescribed requirements*

*in the academic year 2018-19*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date : 13 FEB 2019

Vice-Chancellor

# RAVENSHAW UNIVERSITY
# CUTTACK

Notification No. Exam. Ph.D/ Management - 162 / 2015 Dated 29.06.2015

## THE DEGREE OF DOCTOR OF PHILOSOPHY IN MANAGEMENT

**Nargis Begum Ph.D Registration No. 02-MGT-2007-08 is declared to have qualified for the award of Ph.D Degree in Management under Ravenshaw University, Cuttack, Odisha. The title of the thesis is "SOCIAL ACCOUNTABILITY OF CORPORATE SECTOR : A COMPARATIVE STUDY OF TATA STEEL AND NALCO ".**

CONTROLLER OF EXAMINATIONS

**Memo No. Exam Ph D/ Management- 163 (16)/ 2015 Dated. 29.06.2015**

Copy forwarded to

1. Mrs. Nargis Begum, W/o-Sk. Sahanawaj Ahmed, Plot No. 2289, Near Bhubaneswar Hotel, Cuttack Road, Bhubaneswar-751 006
2. Dr. Sanjay Kumar Satapathy, Reader in Commerce, Ravenshaw University, Cuttack ( Supervisor )
3. Dr. Harekrushna Swain, Professor of PMIR, Utkal University, Bhubaneswar (Co-Supervisor)
4. Prof. Kartick Chandra Paul, Dept. of Business Administration, Vidyasagar University, Midnapore-721 102, West Bengal, India (External Examiner)
5. Prof. Lalit Prakash Pateriya, Dept. of Management Studies, Guru Ghasidas University, Bilaspur (C.G) (External Examiner)
6. Head of Department & Chairman, BOS, Department of Commerce, Ravenshaw University, Cuttack
7. The Director of Printing, Publication, Stationeries, Orissa Govt. Press, Cuttack for favour of publication in the next issue of the Orissa Gazette.
8. The Secretary, University Grants Commission (UGC), Bahadur Shah Zafar Marg, New Delhi, Pin 110 002, India
9. The Secretary, Association of Indian Universities, AIU House 16, Kotla Marg, New Delhi-110002
10. The Librarian, Association of Indian Universities, AIU House 16, Kotla Marg, New Delhi-110002
11. The Editor, University News, Association of Indian Universities, AIU House 16, Kotla Marg, New Delhi, 110002
12. The Director , Higher Education, Orissa , Bhubaneswar for information.
13. The Director, Ravenshaw Knowledge Centre, Ravenshaw University, Cuttack
14. OSD to Hon'ble Vice Chancellor
15. Steno to Hon'ble Vice Chancellor
16. Guard File (5 copies)

CONTROLLER OF EXAMINATIONS

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

# Biju Patnaik University of Technology, Odisha

Rourkela







*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Computer Applications

*on*

## Kaustuva Chandra Dev

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*



ATTESTED

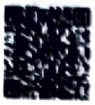
Principal
Trident Academy of Technology
Bhubaneswar-751024

Date : 13 FEB 2019

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela







*On recommendation of the Board of* ***Management,***

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Computer Applications

*on*

## Sanjeev Narayan Bal

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*



ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date : 13 FEB 2019

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela

[redacted] [redacted]

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Computer Applications

*on*

## Ashok Kumar Sahoo

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
Bh[redacted]ar-751024

Date : 13 FEB 2019

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela

On recommendation of the Board of Management,

hereby confers the degree of

## Doctor of Philosophy

*in*

## Computer Applications

*on*

## Dipalika Das

*who has successfully completed the prescribed requirements*

*in the academic year 2018-19*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal

Trident Academy of Technology

Bhubaneswar-751024

Date : 13 FEB 2019

Vice-Chancellor

Sl. No. 1111

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**KALYANI PRADHAN**

Registration No : 1471012058

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended the thesis entitled :

**"Manufacturing processes and engineering economics"**

in the year 2018

ATTESTED

Date: 28 APR 2018

Principal
Trident Academy of Technology
Bhubaneswar 751024

CONTROLLER OF EXAMINATIONS

H7D000058

# Jadavpur University

*Certified that*

## Akshaya Kumar Nayak

*was admitted to the Degree of* Doctor of Philosophy in Engineering *of the University on* 27.06.2017 *and that the degree was conferred on him here at the Convocation held in December 2017 with all the Rights and Privileges thereto appertaining.*

*In Witness whereof the Signature of the Vice-Chancellor of* Jadavpur University *is hereunto affixed.*

JADAVPUR UNIVERSITY
The 24th December, 2017

ATTESTED

Trident Academy of Technology
Bhubaneswar-751024

ATTESTED

Vice-Chancellor

Principal
Trident Academy of Technology
Bhubaneswar-751024

[illegible] 110/2009

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Ajay Kumar Sahoo**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* **Mechanical Engineering,** *under the Faculty of* **Science and Technology** *held in the month of April, 2017, was this day admitted to the degree.*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

JYOTI VIHAR, BURLA
ODISHA, INDIA

The 6th January, 2018

Vice-Chancellor

No. - PHD1400003

Reg. No. - 10365617424



# KIIT UNIVERSITY

(Declared deemed to be University under section 3 of the UGC Act, 1956)
BHUBANESWAR

Upon recommendation of the Academic Council hereby confers the Degree of

## DOCTOR OF PHILOSOPHY

in

**Computer Science & Engineering**

on

**Padmabati Chand**

who has successfully completed the course of study in year 2014 as prescribed under the regulations

The title of the thesis being **"Optimal Solution of Vehicle Routing Problem Using Multi-Objective Evolutionary Algorithms"**

Given under the seal of KIIT University in the Republic of India on the eighth day of November Two Thousand Fourteen

Registrar

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice - Chancellor

Chancellor

To e-Verify the authenticity of this certificate visit : www.kiit.ac.in

Ph. D: No: 00382 Memo. No. 6100/20-8-04.

# Berhampur University

DIPLOMA FOR DOCTOR OF PHILOSOPHY

This is to certify that

Sakuntala Mahapatra

who passed the examination

for the degree of

**DOCTOR OF PHILOSOPHY**

in Electronic Science

held in the month of August, 2004.

was this day admitted to the degree.

BERHAMPUR UNIVERSITY, BHANJA BIHAR,
BERHAMPUR-760 007.

Dated The 18 FEB 2006.

ATTESTED

Vice-Chancellor

Principal
Trident Academy of Technology
Bhubaneswar-751024

# TRIDENT ACADEMY OF TECHNOLOGY

## 2018-19

| Sl. No. | Name | Designation | Name of the Department | Highest Qualification (NET/SET/SLET/ Ph. D./D.Sc. / D.Litt./L.L.D. ) and Year of obtaining |
|---|---|---|---|---|
| 1 | Dr. Arup Sarkar | Professor | BIOTECH | Ph.D,2009 |
| 2 | Dr. Deoraj Sharma | Associate Professor | BIOTECH | Ph.D,2013 |
| 3 | Dr. Bharat bhushan Patnaik | Professor | BIOTECH | Ph.D, 2017 |
| 4 | Dr. Sanjay Kumar Behera | Associate Professor | CIVIL | Ph.D,2018 |
| 5 | Dr. Abhaya Kumar Samal | Professor | CSE | Ph.D, 2013 |
| 6 | Dr. Rabi Narayan Satpathy | Professor | CSE | Ph.D, 2004 |
| 7 | Dr. Mahendra Nath Dwibedi | Professor | CSE | Ph.D, 2003 |
| 8 | Dr. Biswaranjan Nayak | Professor | CSE | Ph.D,2013 |
| 9 | Dr. Padmabati Chand | Professor | CSE | Ph.D, 2014 |
| 10 | Dr. Satya Ranjan Biswal | Associate Professor | CSE | Ph.D,2018 |
| 11 | Dr. Dayal Kumar Behera | Associate Professor | CSE | Ph.D,2018 |
| 12 | Dr. Rahul Ranjan | Associate Professor | CSE | Ph.D,2018 |
| 13 | Dr. Aditya Narayan Das | Assistant Professor | CSE | Ph.D,2018 |
| 14 | Dr.Dakshya Prasad Pati | Assistant Professor | CSE | Ph.D,2018 |
| 15 | Dr. Basudev Nath | Assistant Professor | CSE | Ph.D,2018 |
| 16 | Dr. Sibananda Behera | Assistant Professor | CSE | Ph.D,2018 |
| 17 | Dr. Simantika Ray | Associate Professor | CSE | Ph.D,2018 |
| 18 | Dr. Sumati Baral | Assistant Professor | CSE | Ph.D,2019 |
| 19 | Dr. Pratiti Mishra | Assistant Professor | CSE | Ph.D,2018 |
| 20 | Dr.Jhalak Hota | Associate Professor | CSE | Ph.D,2018 |
| 21 | Dr. Subhra Swetanisha | Associate Professor | CSE | Ph.D,2018 |
| 22 | Dr.Pragnya Paramita Dash | Assistant Professor | CSE | Ph.D,2018 |
| 23 | Dr. Arpita Nibedita | Associate Professor | CSE | Ph.D,2018 |
| 24 | Dr. Arun Kumar Pradhan | Assistant Professor | CSE | Ph.D,2018 |
| 25 | Dr. Monalisa Rout | Assistant Professor | CSE | Ph.D,2018 |

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

| | | | | |
|---|---|---|---|---|
| 26 | Dr.Soma Gupta | Assistant Professor | CSE | Ph.D,2018 |
| 27 | Dr.Subhajit Jagdev | Associate Professor | CSE | Ph.D,2018 |
| 28 | Dr.Sumitra Ojha | Assistant Professor | CSE | Ph.D,2018 |
| 29 | Dr. Deba Narayan Pattnaik | Professor | EE | Ph.D 2012 |
| 30 | Dr. P K Sahoo | Professor | EEE | Ph.D,2016 |
| 31 | Dr. Mir Manjur Elahi | Assistant Professor | EEE | Ph.D,2018 |
| 32 | Dr. Sitya Ranjan Dash | Assistant Professor | EEE | Ph.D,2018 |
| 33 | Dr. Lohit Ku.Sahoo | Assistant Professor | EEE | Ph.D,2017 |
| 34 | Dr. Sakuntala Mahapatra | Professor | ETC | Ph.D,2004 |
| 35 | Dr. Rabindra Bhojray | Associate Professor | ETC | Ph.D,2004 |
| 36 | Dr. Shuvendra Kumar Tripathy | Assistant Professor | ETC | Ph.D,2018 |
| 37 | Dr. Millee Panigrahi | Associate Professor | ETC | Ph.D,2018 |
| 38 | Dr. Rina Mahakud | Assistant Professor | ETC | Ph.D,2016 |
| 39 | Dr. Satya Narayan Rath | Assistant Professor | ETC | Ph.D,2017 |
| 40 | Dr. Minu Samantaray | Associate Professor | ETC | Ph.D,2018 |
| 41 | Dr. Rizwan Khan | Associate Professor | ETC | Ph.D,2018 |
| 42 | Dr. Sumanta Kumar Mohapatra | Assistant Professor | ETC | Ph.D,2018 |
| 43 | Dr. Madhusmita Mohanty | Associate Professor | ETC | Ph.D,2016 |
| 44 | Dr.Amarendra Baral. | Professor | H & S | Ph.D,2005 |
| 45 | Dr Manas Ranjan Senapati. | Professor | H & S | Ph.D,1993 |
| 46 | Dr. Chandan kumar Das. | Professor | H & S | Ph.D,2014 |
| 47 | Dr Sanjita Mohanty. | Associate Professor | H & S | Ph.D,2017 |
| 48 | Dr Pradeepta kumar Nayak | Associate Professor | H & S | Ph.D,2016 |
| 49 | Dr Sidhartha S. Mohapatra | Associate Professor | H & S | Ph.D,2015 |
| 50 | Dr Namita Mohanty | Associate Professor | H & S | Ph.D,2018 |
| 51 | Dr.Saswati Panada | Assistant Professor | H & S | PhD,2016 |
| 52 | Dr.Manoj Kumar Swain | Associate Professor | H & S | Ph.D,2016 |
| 53 | Dr Sujata Mohanty. | Associate Professor | H & S | Ph.D,2017 |
| 54 | Dr. Swetashree pattnaik | Associate Professor | H & S | Ph.D,2018 |
| 55 | Dr Hemanta Kumar Mishra | Associate Professor | H & S | Ph.D,2019 |
| 56 | Dr. Diptimayee Sahoo | Associate Professor | H & S | Ph.D,2016 |



ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

| | | | | |
|---|---|---|---|---|
| 57 | Dr Ashok kumar Sahu. | Assistant Professor | H & S | Ph.D,2019 |
| 58 | Dr. Pranati Mohapatra | Assistant Professor | H & S | Ph.D,2018 |
| 59 | Dr. Manoj Kumar Rath | Assistant Professor | H & S | Ph.D,2019 |
| 60 | Mr.Alok Ranjan Nayak | Assistant Professor | H & S | Ph.D,2018 |
| 61 | Dr. Bimal Prasad Mohapatra | Assistant Professor | H & S | Ph.D,2022 |
| 62 | Dr.Arun Tripathy | Assistant Professor | H & S | Ph.D,2018 |
| 63 | Ms. Diptimayee Swain | Associate Professor | H & S | Ph.D,2018 |
| 64 | Dr. Nani Gopal Das | Associate Professor | IT | Ph.D,2017 |
| 65 | Dr.Sidharth Mishra | Assistant Professor | IT | Ph.D,2018 |
| 66 | Dr.Mohini Mishra | Assistant Professor | IT | Ph.D,2018 |
| 67 | Dr.Pramod Kumar Sethy | Assistant Professor | IT | Ph.D,2019 |
| 68 | Dr.Rekha Sahoo | Assistant Professor | IT | Ph.D,2016 |
| 69 | Dr.Ranjeep Pradhan | Assistant Professor | IT | Ph.D,2018 |
| 70 | Dr. Ashok Kumar Rath | Professor | MBA | Ph.D,2000 |
| 71 | Dr. Manas Ranjan Choudhury | Assistant Professor | MBA | Ph.D,2018 |
| 72 | Dr, Nargis Begum | Associate Professor | MBA | Ph.D,2015 |
| 73 | Dr. Kaustuva Chandra Dev | Professor | MCA | Ph.D,2018 |
| 74 | Dr. Sanjeev Narayan Bal | Associate Professor | MCA | Ph.D,2018 |
| 75 | Dr.Ashok Kumar Sahoo | Assistant Professor | MCA | Ph.D,2018 |
| 76 | Dr. Ajay Kumar Sahoo | Professor | Mechanical | Ph.D,2017 |
| 77 | Dr. Akshaya Kumar Nayak | Assistant Professor | Mechanical | Ph.D,2017 |
| 78 | Dr. Kalyani Pradhan | Assistant Professor | Mechanical | Ph.D,2018 |

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

**Principal**

# Promotionsurkunde

Die Technisch-Naturwissenschaftliche Fakultät der Universität zu Lübeck
verleiht

unter der Präsidentschaft
des Professors Dr. med. Peter Dominiak
und unter dem Dekanat
des Professors Dr. rer. nat. Jürgen Prestin

## Herr Arup Sarkar, M. Sc.

geboren am 06. Juli 1976 in Kolkata, Indien

den Grad eines

## Doktors der Naturwissenschaften

(Dr. rer. nat.)

nachdem er im ordentlichen Promotionsverfahren
durch die mit cum laude beurteilte Dissertation

**„Multiple Facets of Neutrophil Apoptosis Modulation by the Intracellular Pathogens *Anaplasma phagocytophilum Chlamydia pneumoniae* and *Leishmania major*"**

sowie in einer mündlichen Doktorprüfung
seine wissenschaftliche Befähigung erwiesen

und danach die
Gesamtbeurteilung cum laude (Gesamtnote: 2,0)
erhalten hat

Lübeck, 18. November 2009

Der Dekan

Prof. Dr. rer. nat. Jürgen Prestin

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Civil Engineering

*on*

## Sanjay Kumar Behera

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal

Trident Academy of Technology

Bhubaneswar-751024

Date : 13 FEB 2018

*Vice-Chancellor*

Sl. No.....13179

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**SUMATI BARAL**

Registration No : 1571013117

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended

the thesis entitled :

**"The role of AI in improving urban planning and smart city initiatives"**

in the year 2019

ATTESTED

Principal

Trident Academy of Technology

Bhubaneswar-751024

Date 28 APR 2019

CONTROLLER OF EXAMINATIONS

Sl. No. VSSUT/2018/005

Regd. No. 14060015

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Pratiti Mishra

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice- Chancellor*

Sl. No. 11111

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**REKHA SAHU**

Registration No : 1171012659

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Resources Management Polices in Cloud Environment"**

in the year 2016

ATTESTED

Date: 28 APR 2016

Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

Sl. No. 15113

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**JHALAK HOTA**

Registration No : 1571012017

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended the thesis entitled :

**"Efficient Algorithms for the Maximum Convex Sum Problem"**

in the year 2018

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date 28 APR 2019

CONTROLLER OF EXAMINATIONS

ATTESTED

# Biju Patnaik University of Technology, Odisha

Rourkela







*On recommendation of the Board of* ***Management,***

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Computer Science and Engineering

*on*

## Mohini Prasad Mishra

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*



ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date : 13 FEB 2019

Vice-Chancellor

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Abhaya Kumar Samal**

*having passed the examination for the degree of*

# Doctor of Philosophy

*in* **Engineering**, *under the Faculty of* **Science and Technology** *held in the month of November, 2013, was this day admitted to the degree.*

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 19th August, 2015

ATTESTED
Vice-Chancellor

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Principal
Trident Academy of Technology
Bhubaneswar-751024

# The International University of Contemporary Studies

## Greetings

RABI NARAYAN SATPATHY

## Degree

DOCTOR OF SCIENCE IN COMPUTER SCIENCE & ENGINEERING

FIFTH DECEMBER

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

# Utkal University

No. 001305

## UTKAL UNIVERSITY

DIPLOMA FOR DOCTOR OF PHILOSOPHY (Ph.D.)

*This is to certify that*

**MAHENDRA NATH DWIBEDI**

*Who passed the examination for the degree of,*

*DOCTOR OF PHILOSOPHY*

IN **COMPUTER SCIENCE** *held in the*

*month of* **APRIL** **2003** *, was this day*

*admitted to the degree.*

UTKAL UNIVERSITY VANI VIHAR BHUBANESWAR

The 15th December 2003

Vice Chancellor

## ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ

### ବିଜ୍ଞାନ ଉପାଧି ପତ୍ର

୨୦୦୩ ମସିହା ଅପ୍ରେଲ ମାସରେ ଅନୁଷ୍ଠିତ

ବିଜ୍ଞାନ ବିଭାଗ

ଉପାଧି ପରୀକ୍ଷାରେ କମ୍ପୁଟର ବିଜ୍ଞାନ ରେ ଉତ୍ତୀର୍ଣ୍ଣ

ମାହେନ୍ଦ୍ରନାଥ ଦ୍ୱିବେଦୀ

ଅଦ୍ୟ ଏହି ଉପାଧି ପ୍ରଦତ୍ତ ହେଲା ।

ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ ବାଣୀ ବିହାର ଭୁବନେଶ୍ୱର

ଉପକୁଳପତି

ତା ୧୫ ଡିସେମ୍ବର ୨୦୦୩

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No. VSSUT/2013/003

Regd. No. 09060011

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Biswaranjan Nayak

Who has successfully completed the prescribed requirements for award of this degree in the year 2013.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2013.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2018/008

Regd. No. 14050035

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

Satya Ranjan Biswal

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2018/013

Regd. No. 14050135

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Dayal Kumar Behera

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2018/009

Regd. No. 14060005

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

Rahul Ranjan

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

*Vice-Chancellor*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No. VSSUT/2018/011

Regd. No. 140600070

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Aditya Narayan Das

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No.....11173

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**DAKSHYA PRASAD PATI**

Registration No : 1471012247

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended

the thesis entitled :

**"Analyze the significance of big data on the IoT"**

in the year 2018

ATTESTED

Date 28 APR 2018

Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

Sl. No. 11173

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**BASUDEV NATH**

Registration No : 1471012741

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Evaluate the adaptive systems and models at runtime"**

in the year 2018

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date 28 APR 2018

CONTROLLER OF EXAMINATIONS

Sl. No. VSSUT/2018/012

Rogd. No. 140600016

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Sibananda Behera

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

*Vice-Chancellor*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No. VSSUT/2018/044

Regd. No. 14060096

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Simantika Ray

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2018/072

Regd. No. 140600076

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Subhra Swetanisha

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

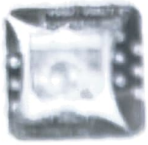
*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2018/077 Regd. No. 140600036





# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Pragnya Paramita Dash

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. 1[illegible]

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**ARPITA NIBEDITA**

Registration No : 1471012699

has completed all the prescribed requirements and possesses the proficiency for the award of degree of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Pattern Recognition And Machine Learning"**

in the year 2018

Date 28 APR 2018

CONTROLLER OF EXAMINATIONS

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No. 1[illegible]

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

ARUN KUMAR PRADHAN

Registration No : 1471012041

has completed all the prescribed requirements and possesses the proficiency for the award of degree of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Real-time image detection in videos"**

in the year 2018

Date: 28 APR 2018

CONTROLLER OF EXAMINATIONS

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No.....13173

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**MONALISA ROUT**

Registration No : 16710125487

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended

the thesis entitled :

**"Wheat Rust Detection Using Deeplearning"**

in the year 2018

Date 28 APR 2019

CONTROLLER OF EXAMINATIONS

Principal
Trident Academy of Technology
Bhubaneswar-751024

ATTESTED

Sl. No. 11139

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**SOMA GUPTA**

Registration No : 1371012007

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended

the thesis entitled :

**"Understanding and Improving Object Oriented Software Through Static Software Analysis"**

in the year 2018

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date: 28 APR 2018

CONTROLLER OF EXAMINATIONS

ATTESTED

Sl. No.....11137

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**SUBHAJIT JAGDEV**

Registration No : 1471012088

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Security and Privacy Challenges in Cloud Computing "**

in the year 2018

Date 28 APR 2018

Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

ATTESTED

Sl. No. VSSUT/2018/019 Regd. No. 140600026

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Sumitra Ojha

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

20120071

# Jadavpur University

Certified that

**Sri Deba Narayan Pattanayak**

was admitted to the Degree of **Doctor of Philosophy in Engineering** of this University on 11/05/2012 and that the degree was conferred on him / her at the Convocation held in December 2012 with all the Rights and Privileges thereto appertaining.

In Witness whereof the Signature of the Vice-Chancellor of **Jadavpur University** is hereunto affixed.

JADAVPUR UNIVERSITY
The 24th December, 2012

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No. VSSUT/2016/026

Regd. No. 12060015

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Electrical and Electronics Engineering*

*on*

## Pradeepta Kumar Sahoo

Who has successfully completed the prescribed requirements for award of this degree in the year 2016.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2016.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Engineering

*on*

## Mir Manjur Elahi

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date : 1 3 FEB 2019

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Engineering

*on*

## Lohit Kumar Sahoo

*who has successfully completed the prescribed requirements*

*in the academic year 2016-17*

*Given at Rourkela on this day under the seal of the University.*

Date : 13 FEB 2018

ATTESTED

Principal
Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Engineering

*on*

## Rabindra Bhojray

*who has successfully completed the prescribed requirements*

*in the academic year 2003-04*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal

Trident Academy of Technology

[redacted]eswar-751024

Date : 18 MAR 2004

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of* ***Management,***

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Engineering

*on*

## Shuvendra Kumar Tripathy

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
Bhu[redacted]-751024

Date : 13 FEB 2019

Vice-Chancellor

Sl. No. VSSUT/2018/014

Regd. No. 14060115

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Electronics and Communications Engineering*

*on*

## Millee Panigrahi

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2016/044 Regd. No. 12040105

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Electronics and Communications Engineering*

*on*

## Rina Mahakud

Who has successfully completed the prescribed requirements for award of this degree in the year 2016.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2016.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2018/017 Regd. No. 140400110

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Electronics and Communications Engineering*

*on*

## Md Rizwan Khan

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

1800035 16/2014

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Sumanta Kumar Mohapatra**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* Electronics Science , *under the Faculty of* Science and Technology *held in the month of April, 2018, was this day admitted to the degree.*

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 19th August, 2018

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

H7D000088

# Jadavpur University

*Certified that*

**Madhusmita Mohanty**

*was admitted to the Degree of* Doctor of Philosophy in Engineering *of this University on* 27.06.2016 *and that the degree was conferred on him / her at the Convocation held in December* 2016 *with all the Rights and Privileges thereto appertaining.*

*In Witness whereof the Signature of the Vice-Chancellor of* Jadavpur University *is hereunto affixed.*

JADAVPUR UNIVERSITY
The 24th December, 2016

Sanjay Das
Vice-Chancellor

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No. VSSUT/2018/027

Regd. No. 140400145

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Electronics and Communications Engineering*

*on*

Biswa Ranjan Swain

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

*Vice-Chancellor*

ATTESTED

Trident Academy of Technology
Bhubaneswar-751024

...

...

...

Sl.No. : 2015408

UTKAL UNIVERSITY

# Utkal University

## ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DIPLOMA FOR DOCTOR OF PHILOSOPHY (Ph.D.)

## ବିଭୂଷଣ ଉପାଧି ପତ୍ର

*This is to certify that* **CHANDAN KUMAR DAS**

*who passed the Examination for the degree of*

*in* **Physics** *under the Faculty of* **Science & Technology**

*held in the month of* **March 2014** *was this day admitted to the Degree.*

୨୦୧୪ ମସିହା ମାର୍ଚ୍ଚ ମାସରେ ଅନୁଷ୍ଠିତ ବିଜ୍ଞାନ ଓ ପ୍ରଯୁକ୍ତି ବିଦ୍ୟା ବିଭୂଷଣ ଉପାଧି ପରୀକ୍ଷାରେ

ପଦାର୍ଥ ବିଜ୍ଞାନ ରେ ଉତ୍ତୀର୍ଣ୍ଣ ଚନ୍ଦନ କୁମାର ଦାସ କୁ ଅଦ୍ୟ ଏହି ଉପାଧି ପ୍ରଦତ୍ତ ହେଇଛି ।

Vani Vihar, Bhubaneswar
Odisha, India
The 21st February, 2015

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar

Vice-Chancellor

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

354

Letter No. 127
Dated 07.2.2017

UTKAL UNIVERSITY
VANI VIHAR BHUBANESWAR-751004

# PROVISIONAL CERTIFICATE

This is to certify that ..Sanjita Mohanty.....
.....
Regd No. 03-Chemistry-2003-04 is declared to be qualified for the award of Ph.D. / ~~D.Sc.~~ in .....Chemistry.....
.....Examination held in the year .....2017.....from Utkal University, Vani Vihar, Bhubaneswar.

07.2.2017
Checked By
07/2/17

Section Officer

Dy. Controller of Examinations
13/2/17

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

1600026 44/2012

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Pradeepta Kumar Nayak**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* English , *under the Faculty of* Humanities & Social Science *held in the month of April, 2016, was this day admitted to the degree.*

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 19th August, 2016

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

1100114

04/2011

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Sidhartha S. Mohapatra**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* **Mathematics** *, under the Faculty of* **Humanities & Social Science**

*held in the month of April, 2015, was this day admitted to the degree.*

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 19th August, 2015

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

H8D000024

# Jadavpur University

*Certified that*

**Namita Mohanty**

*was admitted to the Degree of* **Doctor of Philosophy in English** *of this University on* **27.06.2018** *and that the degree was conferred on him / her at the Convocation held in December 2018 with all the Rights and Privileges thereto appertaining.*

*In Witness whereof the Signature of the Vice-Chancellor of* **Jadavpur University** *is hereunto affixed.*

JADAVPUR UNIVERSITY
The 24th December, 2018

ATTESTED
Principal
Trident Academy of Technology

Sanjay Das
*Vice-Chancellor*

20160018

# Jadavpur University

*Certified that*

**Saswati Panda**

*was admitted to the Degree of* **Doctor of Philosophy in Physics** *of this University on* 27.06.2016 *and that the degree was conferred on him / her at the Convocation held in December* 2016 *with all the Rights and Privileges thereto appertaining.*

*In Witness whereof the Signature of the Vice-Chancellor of* **Jadavpur University** *is hereunto affixed.*

JADAVPUR UNIVERSITY
The 24th December, 2016

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## English

*on*

## Manoj Kumar Swain

*who has successfully completed the prescribed requirements*

*in the academic year 2015-16*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date: 13 FEB 2016

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela

[redacted] [redacted]

*On recommendation of the Board of* ***Management,***

*hereby confers the degree of*

## Doctor of Philosophy

*in*

**Physics**

*on*

## Sujata Mohanty

***who has successfully completed the prescribed requirements***

***in the academic year 2016-17***

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
B[redacted]var-751024

**Date :** 1 3 FEB 2018

*Vice-Chancellor*

18000098 112/2015

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Swetashree Pattnaik**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* **Chemistry** *under the Faculty of* **Basic Science and Humanities** *held in the month of July,* **2018,** *was this day admitted to the degree.*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 12th April, 2019

Vice-Chancellor

1900087

142/2015

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Hemanta Kumar Mishra**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in Mathematics, under the Faculty of Basic Science and Humanities held in the month of July, 2019, was this day admitted to the degree.*

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 12th April, 2020

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

H6D000011

# Jadavpur University

*Certified that*

**Diptimayee Sahoo**

*was admitted to the Degree of* **Doctor of Philosophy in English** *of this University on* **27.06.2016** *and that the degree was conferred on him / her at the Convocation held in December* 2016 *with all the Rights and Privileges thereto appertaining.*

*In Witness whereof the Signature of the Vice-Chancellor of* **Jadavpur University** *is hereunto affixed.*

JADAVPUR UNIVERSITY
The 24th December, 2016

Sucarjan Das
*Vice-Chancellor*

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

20190082

# Jadavpur University

*Certified that*

**Ashok Kumar Sahoo**

*was admitted to the Degree of* **Doctor of Philosophy in Mathematics** *of this University on* 27.06.2019 *and that the degree was conferred on him / her at the Convocation held in December 2019 with all the Rights and Privileges thereto appertaining.*

*In Witness whereof the Signature of the Vice-Chancellor of* **Jadavpur University** *is hereunto affixed.*

JADAVPUR UNIVERSITY
The 24th December 2019

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

Sl. No.....11113

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**PRANATI MOHAPATRA**

Registration No : 1471014659

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended

the thesis entitled :

**"Foreign Direct Investment and Economic Growth"**

in the year 2018

ATTESTED

Date 26 APR 2018

Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*
*hereby confers the degree of*

## Doctor of Philosophy

*in*

**English**

*on*

## Manoj Kumar Rath

*who has successfully completed the prescribed requirements*
*in the academic year 2018-19*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Date: 13 FEB 2019

Vice-Chancellor

18000112

140/2015

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

## Alok Ranjan Nayak

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* Chemistry *under the Faculty of* Basic Science and Humanities *held in the month of July,* 2018, *was this day admitted to the degree.*

JYOTI VIHAR, BURLA
ODISHA, INDIA

The 12th April, 2019

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice Chancellor

Sl. No. 17197

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**BIMAL PRASAD MOHAPATRA**

Registration No : 1771012001

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Pedagogical and Psychological Means of Improving Classroom Teaching at Higher Secondary Level"**

in the year 2022

ATTESTED

Date 28 APR 2022

Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

1400009 33/2014

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Arun Tripathy**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* **Mathematics** *, under the Faculty of* **Humanities & Social Science** *held in the month of April, 2018, was this day admitted to the degree.*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 19th August, 2018

Vice-Chancellor

1800077 74/2014

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Diptimayee Swain**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* Economics *, under the Faculty of* Humanities & Social Science *held in the month of April, 2018, was this day admitted to the degree.*

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 19th August, 2018

Vice-Chancellor

# Utkal University

No. [illegible]

## UTKAL UNIVERSITY

DIPLOMA OF DOCTOR OF PHILOSOPHY (Ph.D.)

This is to certify that

**AMARENDRA BARAL**

Who passed the examination for the degree of

DOCTOR OF PHILOSOPHY

**MATHEMATICS** held in the

month of **JULY** **2005**, was this day

admitted to the degree

UTKAL UNIVERSITY
VANI VIHAR
BHUBANESWAR

The Dt. 03 -12-2006

ATTESTED

Trident Academy of Technology
Bhubaneswar-751024

## ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ

### ବିଲୁପ୍ତଣ ଛପାଏ ପତ୍ର

୨୦୦୫ ମସିହା ଜୁଲାଇ ମାସରେ ଅନୁଷ୍ଠିତ

ବିଜ୍ଞାନ ବିଲୁପ୍ତଣ

ଛପାଏ ପରୀକ୍ଷାରେ ଗଣିତ ଶାସ୍ତ୍ର ରେ ଉତ୍ତୀର୍ଣ୍ଣ

ଅମରେନ୍ଦ୍ର ବରାଳ

ଙ୍କୁ ଏହି ଛପାଏ ପ୍ରଦତ୍ତ ହେଲା ।

ଉତ୍କଳ
ବିଶ୍ୱବିଦ୍ୟାଳୟ
ବାଣୀ ବିହାର
ଭୁବନେଶ୍ୱର

ତାରିଖ. ୦୦ ୦୨

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-75

Sl. No. VSSUT/2017/042

Regd. No. 13050036

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Nani Gopal Das

Who has successfully completed the prescribed requirements for award of this degree in the year 2017.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2017.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

1800021

19/2014

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Sidharth Mishra**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* Information Technology , *under the Faculty of* Science and Technology *held in the month of April, 2018, was this day admitted to the degree.*

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 19th August, 2018

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

1500031

54/2015

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Pramod Kumar Sethy**

*having passed the examination for the degree of*

# Doctor of Philosophy

*in* Information Technology , *under the Faculty of* Science and Technology *held in the month of April, 2019, was this day admitted to the degree.*

ATTESTED

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Principal
Trident Academy of Technology
Bhubaneswar-751024

JYOTI VIHAR, BURLA
ODISHA, INDIA

The 19th August 2019

Sl. No. 11113

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**RANJEEP PRADHAN**

Registration No : 1471013889

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended

the thesis entitled :

**"Evaluate the IoT and 5G networks"**

in the year 2018

ATTESTED

Principal

Trident Academy of Technology

Bhubaneswar-751024

Date 28 APR 2018

CONTROLLER OF EXAMINATIONS

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Business Administration

*on*

## Ashok Kumar Rath

*who has successfully completed the prescribed requirements*

*in the academic year 1999-2000*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date : 11 FEB 2000

*Vice-Chancellor*

# Utkal University

## Degree of Doctor of Philosophy

It is hereby certify that

MANAS RANJAN CHOWDHURY

has been admitted to the degree of

DOCTOR OF PHILOSOPHY

in Business Administration

under the faculty of

Business Studies & Management

ବିଦ୍ୟା ବିଭୂଷଣ ଯୋଗ୍ୟତା ପତ୍ର

ବ୍ୟବସାୟ ଓ ପରିଚାଳନା ବିଦ୍ୟା କ୍ଷେତ୍ରରେ

ବ୍ୟବସାୟ ପ୍ରଶାସନ ବିଷୟରେ

ମାନସ ରଞ୍ଜନ ଚୌଧୁରୀ ଙ୍କୁ

ପ୍ରଦାନ କରି ବିଦ୍ୟା ବିଭୂଷଣ ଉପାଧି ପ୍ରଦାନ କରେଳା।

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

# RAVENSHAW UNIVERSITY
# CUTTACK

Notification No. Exam. Ph.D/ Management - 162 / 2015 Dated 29.06.2015

## THE DEGREE OF DOCTOR OF PHILOSOPHY IN MANAGEMENT

**Nargis Begum Ph.D Registration No. 02-MGT-2007-08 is declared to have qualified for the award of Ph.D Degree in Management under Ravenshaw University, Cuttack, Odisha. The title of the thesis is "SOCIAL ACCOUNTABILITY OF CORPORATE SECTOR : A COMPARATIVE STUDY OF TATA STEEL AND NALCO ".**

CONTROLLER OF EXAMINATIONS

**Memo No. Exam Ph D/ Management- 163 (16)/ 2015 Dated. 29.06.2015**

Copy forwarded to

1. Mrs. Nargis Begum, W/o-Sk. Sahanawaj Ahmed, Plot No. 2289, Near Bhubaneswar Hotel, Cuttack Road, Bhubaneswar-751 006
2. Dr. Sanjay Kumar Satapathy, Reader in Commerce, Ravenshaw University, Cuttack ( Supervisor )
3. Dr. Harekrushna Swain, Professor of PMIR, Utkal University, Bhubaneswar (Co-Supervisor)
4. Prof. Kartick Chandra Paul, Dept. of Business Administration, Vidyasagar University, Midnapore-721 102, West Bengal, India (External Examiner)
5. Prof. Lalit Prakash Pateriya, Dept. of Management Studies, Guru Ghasidas University, Bilaspur (C.G) (External Examiner)
6. Head of Department & Chairman, BOS, Department of Commerce, Ravenshaw University, Cuttack
7. The Director of Printing, Publication, Stationeries, Orissa Govt. Press, Cuttack for favour of publication in the next issue of the Orissa Gazette.
8. The Secretary, University Grants Commission (UGC), Bahadur Shah Zafar Marg, New Delhi, Pin 110 002, India
9. The Secretary, Association of Indian Universities, AIU House 16, Kotla Marg, New Delhi-110002
10. The Librarian, Association of Indian Universities, AIU House 16, Kotla Marg, New Delhi-110002
11. The Editor, University News, Association of Indian Universities, AIU House 16, Kotla Marg, New Delhi, 110002
12. The Director , Higher Education, Orissa , Bhubaneswar for information.
13. The Director, Ravenshaw Knowledge Centre, Ravenshaw University, Cuttack
14. OSD to Hon'ble Vice Chancellor
15. Steno to Hon'ble Vice Chancellor
16. Guard File (5 copies)

CONTROLLER OF EXAMINATIONS

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

# Biju Patnaik University of Technology, Odisha

Rourkela







*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Computer Applications

*on*

## Kaustuva Chandra Dev

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*



ATTESTED

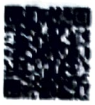
Principal
Trident Academy of Technology
Bhubaneswar-751024

Date : 13 FEB 2019

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela







*On recommendation of the Board of* ***Management,***

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Computer Applications

*on*

## Sanjeev Narayan Bal

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*



ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date : 13 FEB 2019

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela

[redacted] [redacted]

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Computer Applications

*on*

## Ashok Kumar Sahoo

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
Bh[redacted]ar-751024

Date : 13 FEB 2019

Vice-Chancellor

Sl. No. 1111

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**KALYANI PRADHAN**

Registration No : 1471012058

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended the thesis entitled :

**"Manufacturing processes and engineering economics"**

in the year 2018

ATTESTED

Date: 28 APR 2018

Principal
Trident Academy of Technology
Bhubaneswar 751024

CONTROLLER OF EXAMINATIONS

H7D000058

# Jadavpur University

*Certified that*

## Akshaya Kumar Nayak

*was admitted to the Degree of* Doctor of Philosophy in Engineering *of the University on* 27.06.2017 *and that the degree was conferred on him here at the Convocation held in December 2017 with all the Rights and Privileges thereto appertaining.*

*In Witness whereof the Signature of the Vice-Chancellor of* Jadavpur University *is hereunto affixed.*

JADAVPUR UNIVERSITY
The 24th December, 2017

ATTESTED

Trident Academy of Technology
Bhubaneswar-751024

ATTESTED

Vice-Chancellor

Principal
Trident Academy of Technology
Bhubaneswar-751024

[illegible] 110/2009

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Ajay Kumar Sahoo**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* **Mechanical Engineering,** *under the Faculty of* **Science and Technology** *held in the month of April, 2017, was this day admitted to the degree.*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

JYOTI VIHAR, BURLA
ODISHA, INDIA

The 6th January, 2018

Vice-Chancellor

No. - PHD1400003

Reg. No. - 10365617424

# KIIT UNIVERSITY

(Declared deemed to be University under section 3 of the UGC Act, 1956)
BHUBANESWAR



Upon recommendation of the Academic Council hereby confers the Degree of

## DOCTOR OF PHILOSOPHY

in

## Computer Science & Engineering

on

## Padmabati Chand

who has successfully completed the course of study in year 2014 as prescribed under the regulations

The title of the thesis being "Optimal Solution of Vehicle Routing Problem Using Multi-Objective Evolutionary Algorithms"

Given under the seal of KIIT University in the Republic of India on the eighth day of November Two Thousand Fourteen

ATTESTED

Registrar

Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice - Chancellor

Chancellor

For verification of the authenticity of this certificate visit : www.kiit.ac.in

Ph. D: No: 00382 Endt. No. 6100/20-8-04.

# Berhampur University

DIPLOMA FOR DOCTOR OF PHILOSOPHY

This is to certify that

Sakuntala Mahapatra

who passed the examination

for the degree of

**DOCTOR OF PHILOSOPHY**

in Electronic Science

held in the month of August, 2004.

was this day admitted to the degree.

BERHAMPUR UNIVERSITY, BHANJA BIHAR,
BERHAMPUR-760 007.

Dated The 18 FEB 2006 20

ATTESTED

Vice-Chancellor

SECTARY/D.R

Principal
Trident Academy of Technology
Bhubaneswar-751024

Notification No. 4293/23-09-24

Ph. D. No 000935

# Berhampur University

## DOCTOR OF PHILOSOPHY

This is to certify that

Deoraj Sharma

having passed the examination

for the degree of

**DOCTOR OF PHILOSOPHY**

in faculty of Science (Bio-Technology)

on the thesis "Decontamination of Mercury Contaminated Environment by Environmental and Biological Agents"

held in the month of September, 2013,

was this day admitted to the degree.

BERHAMPUR UNIVERSITY, BHANJA BIHAR,
BERHAMPUR-760 007

Dated the 15 SEP 2014

Vice-Chancellor

ATTESTED

DA 30/9/14

Principal
Trident Academy of Technology
Bhubaneswar-751024

# TRIDENT ACADEMY OF TECHNOLOGY

**Date: 01.08.2024**

**List of faculties with highest degree (Ph.D.) without repeat count during the last five years.**

| Sl. No. | Name | Name of the Department | Highest Qualification (NET/SET/SLET/ Ph. D./D.Sc. / D.Litt./L.L.D. ) and Year of obtaining | Area of Research | Awarding University |
|---|---|---|---|---|---|
| 1 | Dr. Ashok Sarangi | BIOTECH | Ph.D,2018 | Nanotechnology is a new technology that can be applied to DNA genotyping | SOA |
| 2 | Dr.Arup Sarkar | BIOTECH | Ph.D,2013 | Multiple facets of Neutrophil Apoptosis modulation by the intracellular pathogens | DTNFUL |
| 3 | Dr Deoraj Sharma | BIOTECH | Ph.D,2013 | Decontamination of mercury contaminated environment by environtal biological agents | BU |
| 4 | Dr.Anshuman Sarangi | BIOTECH | Ph.D,2017 | Engineering microbial cell factories for sustainable production of Biofuels | UTKAL University |
| 5 | Dr. Sanjay Kumar Behera | CIVIL | Ph.D,2018 | Bricks made from coal fly ash that are resistant to corrosion | BPUT |
| 6 | Dr.Roma Sahu | CIVIL | Ph.D,2019 | Studies on Ultimate bearing Capacity on Shallow Foundation resting over geogrid-reinforced sand under centric inclined and eccentric vertical load | NIT |
| 7 | Dr. Sumati Baral | CS-AIML | Ph.D,2019 | The role of AI in improving urban planning and smart city initiatives. | SOA |
| 8 | Dr. Pratiti Mishra | CS-AIML | Ph.D,2018 | Deep Reinforcement Learning for Autonomous Systems Control | VSSUT |
| 9 | Dr. Rekha Sahu | CS-AIML | Ph.D,2016 | Resources Management Polices in Cloud Environment | SOA |

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Trident Academy of Technology
Bhubaneswar-751024

| | | | | | |
|---|---|---|---|---|---|
| 10 | Dr. Jhalak Hota | CS-AIML | Ph.D,2018 | Efficient Algorithms for the Maximum Convex Sum Problem | SOA |
| 11 | Dr. Mohini Prasad Mishra | CS-AIML | Ph.D,2018 | Explainable AI: Interpretable Machine Learning Models for Decision Support | BPUT |
| 12 | Dr.Anil Kumar Mishra | CS-AIML | Ph.D,2023 | Cyber-Physical Systems: Integrating AI with IoT for Smart Cities | VSSUT |
| 13 | Dr. Abhaya Kumar Samal | CSE | Ph.D,2013 | Evaluation of minimum spanning tree | SU |
| 14 | Dr. Rabi Narayan Satpathy | CSE | Ph.D,2009 | Optimization of machine learning for Big data analysis | TIU |
| 15 | Dr. Mahendra Nath Dwibedi | CSE | Ph.D,2003 | Scalable for internet of thing application | UTKAL University |
| 16 | Dr. Biswaranjan Nayak | CSE | Ph.D,2013 | Advancements in Quantum Cryptography for Secure Communication | VSSUT |
| 17 | Dr. Satya Ranjan Biswal | CSE | Ph.D,2018 | Automated Code Generation Techniques for Real-Time Embedded Systems | VSSUT |
| 18 | Dr. Dayal Kumar Behera | CSE | Ph.D,2018 | Enhancing Privacy in IoT Networks Using Blockchain Technology | VSSUT |
| 19 | Dr. Rahul Ranjan | CSE | Ph.D,2018 | Natural Language Processing for Code Summarization and Understanding | VSSUT |
| 20 | Dr. Aditya Narayan Das | CSE | Ph.D,2018 | Advancements in Machine Learning for Medical Image Analysis | VSSUT |
| 21 | Dr.Dakshya Prasad Pati | CSE | Ph.D,2018 | Analyze the significance of big data on the IoT | SOA |
| 22 | Dr. Basudev Nath | CSE | Ph.D,2018 | Evaluate the adaptive systems and models at runtime | SOA |
| 23 | Dr. Sibananda Behera | CSE | Ph.D,2018 | Big Data Analytics Frameworks for Scalable Machine Learning | VSSUT |
| 24 | Dr. Simantika Ray | CSE | Ph.D,2018 | Robust Deep Learning Models for Cybersecurity Threat Detection | VSSUT |

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| | | | | | |
|---|---|---|---|---|---|
| 25 | Dr. Subhra Swetanisha | CSE | Ph.D,2018 | Ethical Considerations in Artificial Intelligence: Bias Detection and Mitigation | VSSUT |
| 26 | Dr.Pragnya Paramita Dash | CSE | Ph.D,2018 | Blockchain Applications for Supply Chain Management and Traceability | VSSUT |
| 27 | Dr. Arpita Nibedita | CSE | Ph.D,2018 | Pattern Recognition And Machine Learning | SOA |
| 28 | Dr. Arun Kumar Pradhan | CSE | Ph.D,2018 | Real-time image detection in videos | SOA |
| 29 | Dr. Monalisa Rout | CSE | Ph.D,2018 | Wheat Rust Detection Using Deeplearning | SOA |
| 30 | Dr.Soma Gupta | CSE | Ph.D,2018 | Understanding and Improving Object Oriented Software Through Static Software Analysis | SOA |
| 31 | Dr.Subhajit Jagdev | CSE | Ph.D,2018 | Security and Privacy Challenges in Cloud Computing | SOA |
| 32 | Dr.Sumitra Ojha | CSE | Ph.D,2018 | Advancements in Cryptography for Secure Communication | VSSUT |
| 33 | Dr. Sashi Bhusan Parida | CSE | Ph.D,2019 | Discuss the significance of the IoT-based supply chains | SOA |
| 34 | Dr. Sudhansu Ranjan Lenka | CSE | Ph.D,2019 | Development of an effective credit scoring model using Artificial Intelgency for financial sector | SOA |
| 35 | Dr. Sasmita Mishra | CSE | Ph.D,2019 | Discuss the working of ultra-power IoT technologies | SOA |
| 36 | Dr.Abhipsa Pattnaik | CSE | Ph.D,2022 | Resources Management Polices in Cloud Environment | SOA |
| 37 | Dr. Shyamalendu Pati | CSE | Ph.D,2022 | Human-Computer Interaction in Virtual Reality Environments | VSSUT |
| 38 | Dr.Biswaranjan Nanda | CSE | Ph.D,2023 | Advancements in Natural Language Generation for Conversational AI | VSSUT |
| 39 | Dr. Pradipta Kumar Mishra | CSE | Ph.D,2019 | Big Data Analytics Frameworks for Scalable AI | VSSUT |



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| | | | | | |
|---|---|---|---|---|---|
| 40 | Madhumita Panda | CSE | Ph.D,2022 | Optimized test date generation for object oriented programs using nature inspired algorithms | MSCBDU |
| 41 | Dr. Satya Sundar Mishra | CST | Ph.D,2018 | Machine Learning Frameworks for Scalable AI | VSSUT |
| 42 | Dr. Rabiteja Patra | CST | Ph.D,2018 | Wireless communication and mobile computing | SOA |
| 43 | Dr. Yashobanta Panda | EE | Ph.D,2019 | Smart Grid Technologies: Integration and Security Issues | VSSUT |
| 44 | Dr.Deba Narayan Pattanayak | EE | Ph.D,2012 | Design and Analysis of flexible and variable electrical device | JU |
| 45 | Dr. Pradeepta Kumar Sahoo | EEE | Ph.D,2016 | Design and Optimization of Photovoltaic Systems for Maximum Efficiency | VSSUT |
| 46 | Dr. Mir Manjur Elahi | EEE | Ph.D,2018 | Integration of Renewable Energy Sources into Power Distribution Networks | BPUT |
| 47 | Dr. Shitya Ranjan Das | EEE | Ph.D,2018 | Applications of Artificial Intelligence in Power Systems | BPUT |
| 48 | Dr. Lohit Ku.Sahoo | EEE | Ph.D,2017 | Advancements in Electric Power Quality Monitoring and Improvement | BPUT |
| 49 | Dr. Susmita Das | EEE | Ph.D,2018 | Advancements in Energy Storage Systems for Grid Stability | BPUT |
| 50 | Dr. Rabindra Bhojray | ETC | Ph.D,2004 | Optical Communication Systems: Challenges and Solutions | BPUT |
| 51 | Dr. Shuvendra Kumar Tripathy | ETC | Ph.D,2018 | Advancements in Radar Signal Processing for Autonomous Systems | BPUT |
| 52 | Dr. Millee Panigrahi | ETC | Ph.D,2018 | Electromagnetic Interference and Compatibility in Electronic Systems | VSSUT |
| 53 | Dr. Rina Mahakud | ETC | Ph.D,2016 | Biomedical Signal Processing Techniques for Healthcare Applications | VSSUT |
| 54 | Dr. Satya Narayan Rath | ETC | Ph.D,2017 | Design and Optimization of Antenna Arrays for 5G Communication Systems | BPUT |



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|---|---|---|---|---|---|
| 55 | Dr. Minu Samantaray | ETC | Ph.D,2018 | High-Efficiency Power Amplifiers for Wireless Communications | BPUT |
| 56 | Dr. Rizwan Khan | ETC | Ph.D,2018 | Advancements in Power Electronics for Renewable Energy Integration | VSSUT |
| 57 | Dr. Sumanta Kumar Mohapatra | ETC | Ph.D,2018 | High-Frequency Power Converters for Electric Vehicle Charging Systems | SU |
| 58 | Dr. Madhusmita Mohanty | ETC | Ph.D,2016 | IoT-enabled Smart Energy Management Systems | JU |
| 59 | Dr. Biswa Ranjan Swain | ETC | Ph.D,2018 | Emerging Trends in Wireless Power Transfer Systems | VSSUT |
| 60 | Dr.Kali prasanna swain | ETC | Ph.D,2022 | Application of photonic for sensing and communication system | BPUT |
| 61 | Dr.Gopal Charan Sasmal | H & S | Ph.D,2023 | Bilevel and multi level programming problems under uncertain environment | KIIT University |
| 62 | Dr.Prasanta Kumar Raut | H & S | Ph.D,2024 | Evaluation of shortest path under fuzzy environment | CGU |
| 63 | Dr Manas Ranjan Senapati. | H & S | Ph.D,1993 | Ion solvent INTE Action of electrolyte in ethanol water mixture | UTKAL University |
| 64 | Dr. Chandan kumar Das. | H & S | Ph.D,2014 | Biophysics: From Molecular Machines to Biological Networks | UTKAL University |
| 65 | Dr Sanjita Mohanty. | H & S | Ph.D,2017 | Advancements in Nanomaterials and Nanotechnology | UTKAL University |
| 66 | Dr Pradeepta kumar Nayak | H & S | Ph.D,2016 | A Study on Meta Communication in Jhumpa Lahiri's Fiction | SU |
| 67 | Dr Sidhartha S. Mohapatra | H & S | Ph.D,2015 | City in Indian Fiction in English: Calcutta as Setting in Selected Novels | SU |
| 68 | Dr Namita Mohanty | H & S | Ph.D,2018 | Love and Feminine Conciousness: A Study through Sri Aurobindo's Plays | JU |
| 69 | Dr.Saswati Panada | H & S | PhD,2016 | Ultrafast Optics and Femtosecond Laser Physics | JU |
| 70 | Dr.Manoj Kumar Swain | H & S | Ph.D,2016 | Chemistry of Atmospheric Aerosols and Climate Change | BPUT |

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|---|---|---|---|---|---|
| 71 | Dr Sujata Mohanty. | H & S | Ph.D,2017 | Physics of Quantum Materials and Superconductivity | BPUT |
| 72 | Dr. Swetashree pattnaik | H & S | Ph.D,2018 | Organic Electronics and Molecular Materials | SU |
| 73 | Dr Hemanta Kumar Mishra | H & S | Ph.D,2019 | Numerical Methods for Partial Differential Equations | SU |
| 74 | Dr. Diptimayee Sahoo | H & S | Ph.D,2016 | Corporate Social Responsibility and Sustainable Business Practices | JU |
| 75 | Dr Ashok kumar Sahu | H & S | Ph.D,2019 | Mathematical Aspects of Quantum Computing | JU |
| 76 | Dr. Pranati Mohapatra | H & S | Ph.D,2018 | Foreign Direct Investment and Economic Growth | SOA |
| 77 | Dr. Manoj Kumar Rath | H & S | Ph.D,2019 | Literature and Ethics: Moral Imagination in Fiction | BPUT |
| 78 | Mr.Alok Ranjan Nayak | H & S | Ph.D,2018 | Advancements in Green Chemistry: Sustainable Synthesis Methods | SU |
| 79 | Dr. Bimal Prasad Mohapatra | H & S | Ph.D,2022 | Pedagogical and Psychological Means of Improving Classroom Teaching at Higher Secondary Level | SOA |
| 80 | Dr.Arun Tripathy | H & S | Ph.D,2018 | Advancements in Number Theory and Cryptography | SU |
| 81 | Ms. Diptimayee Swain | H & S | Ph.D,2018 | Genre Studies: Evolution and Adaptation | SU |
| 82 | Dr. Sakya Singh Satapathy | H & S | Ph.D,2022 | The study of algorithms for solving mathematical problems numerically, such as solving differential equations, optimization problems, and linear systems | SOA |
| 83 | Dr. Chandramalli Mishra | H & S | Ph.D,2022 | Illustrations of masculinity: A comparative study between pre-independence and post-independence Indian novels | SOA |



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Trident Academy of Technology
Bhubaneswar-751024

| | | | | | |
|---|---|---|---|---|---|
| 84 | Dr. Tushar Ranjan Panda | H & S | Ph.D,2022 | Between tradition and modernity: Through the lens of Tagore's Gora | SOA |
| 85 | Dr. Sabyasachi Dey | H & S | Ph.D,2018 | Brand Management Strategies in Competitive Markets | UTKAL University |
| 86 | Dr.Amarendra Baral | H&S | Ph.D,2005 | Soluation of real world problem using multicriteria decision making | UTKAL University |
| 87 | Dr. Nani Gopal Das | IT | Ph.D,2017 | Enhancing User Experience in Mobile App Development | VSSUT |
| 88 | Dr.Sidharth Mishra | IT | Ph.D,2018 | Advancements in Digital Twins: Applications and Challenges | SU |
| 89 | Dr.Pramod Kumar Sethy | IT | Ph.D,2019 | Virtual Reality in Architecture and Urban Planning" | SU |
| 90 | Dr.Ranjeep Pradhan | IT | Ph.D,2018 | Evaluate the IoT and 5G networks | SOA |
| 91 | Dr. Santosh Kumar Sahu | IT | Ph.D,2018 | Machine Learning Applications in Natural Language Processing | SU |
| 92 | Dr. Soubhagya Kumar Mallick | IT | Ph.D,2018 | Machine Learning for Predictive Healthcare Analytics | VSSUT |
| 93 | Dr. Rabinarayan Mohanty | IT | Ph.D,2018 | Cloud-based IoT Platforms for Scalable and Secure Applications | VSSUT |
| 94 | Dr. Ashish Kumar Barik | IT | Ph.D,2020 | Explore the applications of big data in tourism | SOA |
| 95 | Dr.Pradyumna Kumar Nayak | IT | PhD,2020 | Emerging Trends in Cybersecurity: Threats and Countermeasures | VSSUT |
| 96 | Dr. Ashok Kumar Rath | MBA | Ph.D,2000 | Corporate Social Responsibility and Sustainable Business Practices | BPUT |
| 97 | Dr. Manas Ranjan Choudhury | MBA | Ph.D,2018 | Business Analytics for Data-Driven Decision Making | UTKAL University |
| 98 | Dr. Sonam Subhadarshini | MBA | Ph.D,2019 | Performance management system,A study in OPTCL | BPUT |
| 99 | Dr.Nargis Begum | MBA | Ph.D,2015 | Social accountability of corporate sector:A comparative study of TATA STELL and NALCO | Ravenshaw University |



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Principal
Trident Academy of Technology
Bhubaneswar-751024

| | | | | | |
|---|---|---|---|---|---|
| 100 | Dr. Kaustuva Chandra Dev | MCA | Ph.D,2018 | Network Security Protocols and Encryption Techniques | BPUT |
| 101 | Dr. Sanjeev Narayan Bal | MCA | Ph.D,2018 | Information Retrieval Techniques for Web Search Engines | BPUT |
| 102 | Dr.Ashok Kumar Sahoo | MCA | Ph.D,2018 | Parallel and Distributed Computing: Algorithms and Applications | BPUT |
| 103 | Dr. Dipalika Das | MCA | Ph.D,2019 | Human-Computer Interaction Design: Principles and Applications | BPUT |
| 104 | Dr. Kalyani Pradhan | Mechanical | Ph.D,2018 | Manufacturing processes and engineering economics | SOA |
| 105 | Dr. Diptiranjan Panda | Mechanical | Ph.D,2020 | Friction Stir Welding on Disimilar Al Alloys | SU |
| 106 | Dr.Akshya Nayak | Mechanical | Ph.D,2017 | Study of face change materials for thermal management | JU |
| 107 | Dr. Ajay Kumar Sahoo | Mechanical | Ph.D, 2017 | Prediction of Microstructure Evolution and Mechanical Property Relationship During Solidification of Alumnium Alloys | SU |

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

**Principal**

Sl. No.....

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**ASHOK SARANGI**

Registration No : 1471013149

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended

the thesis entitled :

**"Nanotechnology is a new technology that can be applied to DNA genotyping"**

in the year 2018

Date 28 APR 2018

CONTROLLER OF EXAMINATIONS

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

# Promotionsurkunde

Die Technisch-Naturwissenschaftliche Fakultät der Universität zu Lübeck
verleiht

unter der Präsidentschaft
des Professors Dr. med. Peter Dominiak
und unter dem Dekanat
des Professors Dr. rer. nat. Jürgen Prestin

## Herr Arup Sarkar, M. Sc.

geboren am 06. Juli 1976 in Kolkata, Indien

den Grad eines

## Doktors der Naturwissenschaften

(Dr. rer. nat.)

nachdem er im ordentlichen Promotionsverfahren
durch die mit cum laude beurteilte Dissertation

**„Multiple Facets of Neutrophil Apoptosis Modulation by the Intracellular Pathogens *Anaplasma phagocytophilum Chlamydia pneumoniae* and *Leishmania major*"**

sowie in einer mündlichen Doktorprüfung
seine wissenschaftliche Befähigung erwiesen

und danach die
Gesamtbeurteilung cum laude (Gesamtnote: 2,0)
erhalten hat

Lübeck, 18. November 2009

Der Dekan

Prof. Dr. rer. nat. Jürgen Prestin

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

PhD2018134

# Utkal University

ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ

## Degree of Doctor of Philosophy

*This is to certify that*

**ANSHUMAN SARANGI**

*has been this day admitted to the degree of*

**DOCTOR OF PHILOSOPHY**

*in* **Life Science**

*under the faculty of*

**Science & Technology**

ବିଦ୍ୟା ବିଭୂଷଣ ଯୋଗ୍ୟତା ପତ୍ର

ବିଜ୍ଞାନ ଓ ପ୍ରଯୁକ୍ତି ବିଦ୍ୟା କ୍ଷେତ୍ରରେ

ଜୀବ ବିଜ୍ଞାନ ବିଷୟରେ

ଅଂଶୁମାନ ଷଡଙ୍ଗୀ କୁ

ଆଜି ଏହି ବିଦ୍ୟା ବିଭୂଷଣ ଉପାଧି ପ୍ରଦତ୍ତ ହେଲା।

The 23th March, 2019

Vice Chancellor

ATTESTED

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Principal
Trident Academy of Technology
Bhubaneswar-751024

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Civil Engineering

*on*

## Sanjay Kumar Behera

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal

Trident Academy of Technology

Bhubaneswar-751024

Date : 13 FEB 2018

*Vice-Chancellor*

# National Institute of Technology
# Rourkela

Upon the recommendation of the Senate,
hereby confers the degree of

## Doctor of Philosophy

on

*Roma Sahu*

who has successfully defended the thesis entitled

*"Studies on Ultimate Bearing Capacity of Shallow Foundations resting over Geogrid-reinforced Sand under Centric Inclined and Eccentric Vertical Load"*

and has fulfilled all other requirements
for the degree in the Department of
*Civil Engineering.*

Given this day, under the seal of the Institute
at Rourkela in the Republic of India,
the 19th Day of January 2019.

Registrar

Director

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

ATTESTED
Trident Academy of Technology
Bhubaneswar-751024

Scanned by CamScanner

Sl. No.....13179

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**SUMATI BARAL**

Registration No : 1571013117

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended

the thesis entitled :

**"The role of AI in improving urban planning and smart city initiatives"**

in the year 2019

ATTESTED

Principal

Trident Academy of Technology

Bhubaneswar-751024

Date 28 APR 2019

CONTROLLER OF EXAMINATIONS

Sl. No. VSSUT/2018/005

Regd. No. 14060015

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Pratiti Mishra

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice- Chancellor*

Sl. No. 11111

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**REKHA SAHU**

Registration No : 1171012659

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Resources Management Polices in Cloud Environment"**

in the year 2016

ATTESTED

Date: 28 APR 2016

Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

Sl. No. 15113

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**JHALAK HOTA**

Registration No : 1571012017

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended the thesis entitled :

**"Efficient Algorithms for the Maximum Convex Sum Problem"**

in the year 2018

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date 28 APR 2019

CONTROLLER OF EXAMINATIONS

ATTESTED

# Biju Patnaik University of Technology, Odisha

Rourkela







*On recommendation of the Board of* ***Management,***

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Computer Science and Engineering

*on*

## Mohini Prasad Mishra

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*



ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date : 13 FEB 2019

Vice-Chancellor

Sl. No. VSSUT/2023/047

Rogd. No. 190600074

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Anil Kumar Mishra

Who has successfully completed the prescribed requirements for award of this degree in the year 2023.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2023.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Abhaya Kumar Samal**

*having passed the examination for the degree of*

# Doctor of Philosophy

*in* **Engineering**, *under the Faculty of* **Science and Technology** *held in the month of November, 2013, was this day admitted to the degree.*

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 19th August, 2015

ATTESTED
Vice-Chancellor

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Principal
Trident Academy of Technology
Bhubaneswar-751024

# The International University of Contemporary Studies

## Greetings

RABI NARAYAN SATPATHY

## Degree

DOCTOR OF SCIENCE IN COMPUTER SCIENCE & ENGINEERING

FIFTH DECEMBER

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

# Utkal University

No. 001305

## UTKAL UNIVERSITY

DIPLOMA FOR DOCTOR OF PHILOSOPHY (Ph.D.)

*This is to certify that*

**MAHENDRA NATH DWIBEDI**

*Who passed the examination for the degree of,*

*DOCTOR OF PHILOSOPHY*

IN **COMPUTER SCIENCE** *held in the*

*month of* **APRIL** **2003** *, was this day*

*admitted to the degree.*

UTKAL UNIVERSITY VANI VIHAR BHUBANESWAR

The 15th December 2003

Vice Chancellor

## ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ

### ବିଜ୍ଞାନ ଉପାଧି ପତ୍ର

୨୦୦୩ ମସିହା ଅପ୍ରେଲ ମାସରେ ଅନୁଷ୍ଠିତ

ବିଜ୍ଞାନ ବିଭାଗ

ଉପାଧି ପରୀକ୍ଷାରେ କମ୍ପୁଟର ବିଜ୍ଞାନ ରେ ଉତ୍ତୀର୍ଣ୍ଣ

ମାହେନ୍ଦ୍ରନାଥ ଦ୍ୱିବେଦୀ

ଅଦ୍ୟ ଏହି ଉପାଧି ପ୍ରଦତ୍ତ ହେଲା ।

ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ ବାଣୀ ବିହାର ଭୁବନେଶ୍ୱର

ଉପକୁଳପତି

ତା ୧୫ ଡିସେମ୍ବର ୨୦୦୩

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No. VSSUT/2013/003

Regd. No. 09060011

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Biswaranjan Nayak

Who has successfully completed the prescribed requirements for award of this degree in the year 2013.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2013.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2018/008

Regd. No. 14050035

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

Satya Ranjan Biswal

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2018/013

Regd. No. 14050135

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Dayal Kumar Behera

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2018/009

Regd. No. 14060005

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

Rahul Ranjan

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

*Vice-Chancellor*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No. VSSUT/2018/011

Regd. No. 140600070

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Aditya Narayan Das

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No.....11173

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**DAKSHYA PRASAD PATI**

Registration No : 1471012247

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended

the thesis entitled :

**"Analyze the significance of big data on the IoT"**

in the year 2018

ATTESTED

Date 28 APR 2018

Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

Sl. No. 11173

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**BASUDEV NATH**

Registration No : 1471012741

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Evaluate the adaptive systems and models at runtime"**

in the year 2018

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date 28 APR 2018

CONTROLLER OF EXAMINATIONS

Sl. No. VSSUT/2018/012

Rogd. No. 140600016

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Sibananda Behera

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

*Vice-Chancellor*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No. VSSUT/2018/044

Regd. No. 14060096

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Simantika Ray

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2018/072

Regd. No. 140600076

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Subhra Swetanisha

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

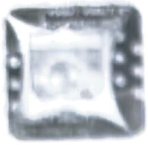
*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2018/077 Regd. No. 140600036





# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Pragnya Paramita Dash

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. 1[illegible]

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**ARPITA NIBEDITA**

Registration No : 1471012699

has completed all the prescribed requirements and possesses the proficiency for the award of degree of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Pattern Recognition And Machine Learning"**

in the year 2018

Date 28 APR 2018

CONTROLLER OF EXAMINATIONS

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No. 1[illegible]

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

ARUN KUMAR PRADHAN

Registration No : 1471012041

has completed all the prescribed requirements and possesses the proficiency for the award of degree of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Real-time image detection in videos"**

in the year 2018

Date: 28 APR 2018

CONTROLLER OF EXAMINATIONS

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No.....13173

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**MONALISA ROUT**

Registration No : 16710125487

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended

the thesis entitled :

**"Wheat Rust Detection Using Deeplearning"**

in the year 2018

Date 28 APR 2019

CONTROLLER OF EXAMINATIONS

Principal
Trident Academy of Technology
Bhubaneswar-751024

ATTESTED

Sl. No. 11139

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**SOMA GUPTA**

Registration No : 1371012007

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended

the thesis entitled :

**"Understanding and Improving Object Oriented Software Through Static Software Analysis"**

in the year 2018

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date: 28 APR 2018

CONTROLLER OF EXAMINATIONS

ATTESTED

Sl. No.....11137

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**SUBHAJIT JAGDEV**

Registration No : 1471012088

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Security and Privacy Challenges in Cloud Computing "**

in the year 2018

Date 28 APR 2018

Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

ATTESTED

Sl. No. VSSUT/2018/019 Regd. No. 140600026

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Sumitra Ojha

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. 13137

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**SASHI BHUSAN PARIDA**

Registration No : 1571013117

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Discuss the significance of the IoT-based supply chains"**

in the year 2019

Date 28 APR 2019

Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

ATTESTED

Sl. No. 13133

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**SUDHANSU RANJAN LENKA**

Registration No : 1571013879

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended

the thesis entitled :

**"Development of an effective credit scoring model using Artificial Intelgency for financial sector"**

in the year 2019

Date 28 APR 2019

Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

ATTESTED

Sl. No ....15117

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**SASMITA MISHRA**

Registration No : 1571015588

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended

the thesis entitled :

**"Discuss the working of ultra-power IoT technologies"**

in the year 2019

ATTESTED

Date 28 APR 2019

Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

Sl. No. 13[illegible]

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

BHUBANESWAR, ODISHA

## PROVISIONAL CERTIFICATE

**ABHISPA PATTNAIK**

Registration No : 1871012659

has completed all the prescribed requirements and possesses the proficiency for the award of degree of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Resources Management Polices in Cloud Environment"**

in the year 2022

Date 28.11.2022

CONTROLLER OF EXAMINATIONS

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No. VSSUT/2022/032

Regd. No. 180600076

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Shyamalendu Pati

Who has successfully completed the prescribed requirements for award of this degree in the year 2022.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2022

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2023/007

Regd. No. 190800170

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Ch. Biswaranjan Nanda

Who has successfully completed the prescribed requirements for award of this degree in the year 2023.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2023.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2019/043

Regd. No. 15050085

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Pradipta Kumar Mishra

Who has successfully completed the prescribed requirements for award of this degree in the year 2019.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2019.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

MAHARAJA SRIRAM CHANDRA BHANJA DEO UNIVERSITY

ମହାରାଜା ଶ୍ରୀରାମ ଚନ୍ଦ୍ର ଭଞ୍ଜଦେଓ ବିଶ୍ୱବିଦ୍ୟାଳୟ

BARIPADA

# DIPLOMA FOR DOCTOR OF PHILOSOPHY (Ph.D.)

This is to certify that

**MADHUMITA PANDA**

who passed the examination for the degree of

## DOCTOR OF PHILOSOPHY

in COMPUTER SCIENCE & IT

month of MAY, 2022 this day

ATTESTED

Vice-Chancellor

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No. VSSUT/2018/018

Regd. No. 14050021

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Satya Sundar Mishra

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. 11133

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**RABITEJA PATRA**

Registration No : 1471012045

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended
the thesis entitled :

**"Wireless communication and mobile computing"**

in the year 2018

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date: 28 APR 2018

CONTROLLER OF EXAMINATIONS

Sl. No. VSSUT/2019/013

Regd. No. 15060055

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Electrical Engineering*

*on*

## Yashobanta Panda

Who has successfully completed the prescribed requirements for award of this degree in the year 2019.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2019.

Siddhi Vihar, Burla
Sambalpur - 768 018
Odisha, India

Vice-Chancellor

Principal
Indest Academy of Technology

20120071

# Jadavpur University

Certified that

**Sri Deba Narayan Pattanayak**

was admitted to the Degree of **Doctor of Philosophy in Engineering** of this University on 11/05/2012 and that the degree was conferred on him / her at the Convocation held in December 2012 with all the Rights and Privileges thereto appertaining.

In Witness whereof the Signature of the Vice-Chancellor of **Jadavpur University** is hereunto affixed.

JADAVPUR UNIVERSITY
The 24th December, 2012

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No. VSSUT/2016/026

Regd. No. 12060015

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Electrical and Electronics Engineering*

*on*

## Pradeepta Kumar Sahoo

Who has successfully completed the prescribed requirements for award of this degree in the year 2016.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2016.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Engineering

*on*

## Mir Manjur Elahi

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date : 1 3 FEB 2019

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela

[redacted] [redacted]

*On recommendation of the Board of* ***Management,***

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Engineering

*on*

## Shitya Ranjan Das

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024
[redacted]

Date : 13 FEB 2019

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Engineering

*on*

## Lohit Kumar Sahoo

*who has successfully completed the prescribed requirements*

*in the academic year 2016-17*

*Given at Rourkela on this day under the seal of the University.*

Date : 13 FEB 2018

ATTESTED

Principal
Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

# Biju Patnaik University of Technology, Odisha

Rourkela

[redacted] [redacted]

*On recommendation of the Board of* ***Management,***

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Engineering

*on*

## Susmita Das

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
Bhuban[redacted]1024

Date : 13 FEB 2019

*Vice-Chancellor*

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Engineering

*on*

## Rabindra Bhojray

*who has successfully completed the prescribed requirements*

*in the academic year 2003-04*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal

Trident Academy of Technology

[redacted]eswar-751024

Date : 18 MAR 2004

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of* ***Management,***

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Engineering

*on*

## Shuvendra Kumar Tripathy

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
Bhu[redacted]-751024

Date : 13 FEB 2019

Vice-Chancellor

Sl. No. VSSUT/2018/014

Regd. No. 14060115

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Electronics and Communications Engineering*

*on*

## Millee Panigrahi

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2016/044 Regd. No. 12040105

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Electronics and Communications Engineering*

*on*

## Rina Mahakud

Who has successfully completed the prescribed requirements for award of this degree in the year 2016.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2016.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

# Biju Patnaik University of Technology, Odisha

Rourkela

[redacted] [redacted]

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Engineering

*on*

## Satyanarayan Rath

*who has successfully completed the prescribed requirements*

*in the academic year 2016-17*

*Given at Rourkela on this day under the seal of the University.*

Date : 13 FEB 2018

ATTESTED

Principal
Trident Academy of Technology
[redacted]-751024

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela

[redacted] [redacted]

*On recommendation of the Board of* ***Management,***

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Engineering

*on*

## Minu Samantaray

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
B[redacted]var-751024

Date : 13 FEB 2019

*Vice-Chancellor*

Sl. No. VSSUT/2018/017 Regd. No. 140400110

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Electronics and Communications Engineering*

*on*

## Md Rizwan Khan

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

1800035 16/2014

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Sumanta Kumar Mohapatra**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* Electronics Science , *under the Faculty of* Science and Technology *held in the month of April, 2018, was this day admitted to the degree.*

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 19th August, 2018

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

H7D000088

# Jadavpur University

*Certified that*

**Madhusmita Mohanty**

*was admitted to the Degree of* Doctor of Philosophy in Engineering *of this University on* 27.06.2016 *and that the degree was conferred on him / her at the Convocation held in December* 2016 *with all the Rights and Privileges thereto appertaining.*

*In Witness whereof the Signature of the Vice-Chancellor of* Jadavpur University *is hereunto affixed.*

JADAVPUR UNIVERSITY
The 24th December, 2016

Sanjay Das
Vice-Chancellor

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Sl. No. VSSUT/2018/027

Regd. No. 140400145

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Electronics and Communications Engineering*

*on*

Biswa Ranjan Swain

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

*Vice-Chancellor*

ATTESTED

Trident Academy of Technology
Bhubaneswar-751024

Biju Patnaik [illegible] of Technology, Odisha

[illegible] Management,

hereby [illegible] degree of

# Doctor of Philosophy

*in*

## Engineering

*on*

## Kaliprasanna Swain

*who has successfully completed the prescribed requirements*
*in the academic year 2021-22*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Trident Academy of Technology
Bhubaneswar-751024

Principal
Trident Academy of Technology
Bhubaneswar-751024

ATTESTED

Vice Chancellor

Sl. FH0230003 Reg No 1301953127

# KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY

DEEMED TO BE UNIVERSITY, BHUBANESWAR-24
(Deeld. U/S 3 of the UGC Act, 1956)



Upon recommendation of the Board of Management hereby confers the Degree of

## DOCTOR OF PHILOSOPHY

in

Mathematics

on

## GOPAL CHARAN SASMAL

who has successfully completed the courses of study in the year 2023 as prescribed under the regulations

The title of the thesis being "BI-LEVEL AND MULTI-LEVEL PROGRAMMING PROBLEMS UNDER UNCERTAIN ENVIRONMENT"

Given under the seal of Kalinga Institute of Industrial Technology Deemed to be University in the Republic of India on the Nineteenth day of August Two Thousand Twenty Three

Registrar

Vice-Chancellor

ATTESTED

Trident Academy of Technology
Bhubaneswar-751024

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Scanned with CamScanner

C V Raman Global University, Odisha
Bhubaneswar, India
www.cgu-odisha.ac.in

/PC/ 3595

PROVISIONAL CERTIFICATE

PRASANTA KUMAR PATI
Registration Number: 21080012

of

C V Raman Global University
Odisha

has successfully completed the prescribed requirements

for the award of

**Doctor of Philosophy**

in

**MATHEMATICS**

Viva-Voce and Defence Examination held on 10.04.2024

Title of the Thesis: Evaluation of shortest path problems under Fuzzy Environment

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

DATE: 10.04.2024

Dean Research Programmes

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

...

...

...

Sl.No. : 2015408

UTKAL UNIVERSITY

# Utkal University

## ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DIPLOMA FOR DOCTOR OF PHILOSOPHY (Ph.D.)

## ବିଭୂଷଣ ଉପାଧି ପତ୍ର

*This is to certify that* **CHANDAN KUMAR DAS**

*who passed the Examination for the degree of*

*in* **Physics** *under the Faculty of* **Science & Technology**

*held in the month of* **March 2014** *was this day admitted to the Degree.*

୨୦୧୪ ମସିହା ମାର୍ଚ୍ଚ ମାସରେ ଅନୁଷ୍ଠିତ ବିଜ୍ଞାନ ଓ ପ୍ରଯୁକ୍ତି ବିଦ୍ୟା ବିଭୂଷଣ ଉପାଧି ପରୀକ୍ଷାରେ

ପଦାର୍ଥ ବିଜ୍ଞାନ ରେ ଉତ୍ତୀର୍ଣ୍ଣ ଚନ୍ଦନ କୁମାର ଦାସ କୁ ଅଦ୍ୟ ଏହି ଉପାଧି ପ୍ରଦତ୍ତ ହେଇଛି ।

Vani Vihar, Bhubaneswar
Odisha, India
The 21st February, 2015

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar

Vice-Chancellor

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

354

Letter No. 127
Dated 07.2.2017

UTKAL UNIVERSITY
VANI VIHAR BHUBANESWAR-751004

# PROVISIONAL CERTIFICATE

This is to certify that ..Sanjita Mohanty.....
.....
Regd No. 03-Chemistry-2003-04 is declared to be qualified for the award of Ph.D. / ~~D.Sc.~~ in .....Chemistry.....
.....Examination held in the year .....2017.....from Utkal University, Vani Vihar, Bhubaneswar.

07.2.2017
Checked By
07/2/17

Section Officer

Dy. Controller of Examinations
13/2/17

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

1600026 44/2012

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Pradeepta Kumar Nayak**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* English , *under the Faculty of* Humanities & Social Science *held in the month of April, 2016, was this day admitted to the degree.*

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 19th August, 2016

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

1100114

04/2011

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Sidhartha S. Mohapatra**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* **Mathematics** *, under the Faculty of* **Humanities & Social Science**

*held in the month of April, 2015, was this day admitted to the degree.*

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 19th August, 2015

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

H8D000024

# Jadavpur University

*Certified that*

**Namita Mohanty**

*was admitted to the Degree of* **Doctor of Philosophy in English** *of this University on* **27.06.2018** *and that the degree was conferred on him / her at the Convocation held in December 2018 with all the Rights and Privileges thereto appertaining.*

*In Witness whereof the Signature of the Vice-Chancellor of* **Jadavpur University** *is hereunto affixed.*

JADAVPUR UNIVERSITY
The 24th December, 2018

ATTESTED
Principal
Trident Academy of Technology

Sanjay Das
*Vice-Chancellor*

20160018

# Jadavpur University

*Certified that*

**Saswati Panda**

*was admitted to the Degree of* **Doctor of Philosophy in Physics** *of this University on* 27.06.2016 *and that the degree was conferred on him / her at the Convocation held in December* 2016 *with all the Rights and Privileges thereto appertaining.*

*In Witness whereof the Signature of the Vice-Chancellor of* **Jadavpur University** *is hereunto affixed.*

JADAVPUR UNIVERSITY
The 24th December, 2016

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## English

*on*

## Manoj Kumar Swain

*who has successfully completed the prescribed requirements*

*in the academic year 2015-16*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date: 13 FEB 2016

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela

[redacted] [redacted]

*On recommendation of the Board of* ***Management,***

*hereby confers the degree of*

## Doctor of Philosophy

*in*

**Physics**

*on*

## Sujata Mohanty

***who has successfully completed the prescribed requirements***

***in the academic year 2016-17***

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
B[redacted]var-751024

**Date :** 1 3 FEB 2018

*Vice-Chancellor*

18000098 112/2015

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Swetashree Pattnaik**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* **Chemistry** *under the Faculty of* **Basic Science and Humanities** *held in the month of July,* **2018,** *was this day admitted to the degree.*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 12th April, 2019

Vice-Chancellor

1900087

142/2015

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Hemanta Kumar Mishra**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in Mathematics, under the Faculty of Basic Science and Humanities held in the month of July, 2019, was this day admitted to the degree.*

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 12th April, 2020

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

H6D000011

# Jadavpur University

*Certified that*

**Diptimayee Sahoo**

*was admitted to the Degree of* **Doctor of Philosophy in English** *of this University on* **27.06.2016** *and that the degree was conferred on him / her at the Convocation held in December* 2016 *with all the Rights and Privileges thereto appertaining.*

*In Witness whereof the Signature of the Vice-Chancellor of* **Jadavpur University** *is hereunto affixed.*

JADAVPUR UNIVERSITY
The 24th December, 2016

Sucarjan Das
*Vice-Chancellor*

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

20190082

# Jadavpur University

*Certified that*

**Ashok Kumar Sahoo**

*was admitted to the Degree of* **Doctor of Philosophy in Mathematics** *of this University on* 27.06.2019 *and that the degree was conferred on him / her at the Convocation held in December 2019 with all the Rights and Privileges thereto appertaining.*

*In Witness whereof the Signature of the Vice-Chancellor of* **Jadavpur University** *is hereunto affixed.*

JADAVPUR UNIVERSITY
The 24th December 2019

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

Sl. No.....11113

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**PRANATI MOHAPATRA**

Registration No : 1471014659

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended

the thesis entitled :

**"Foreign Direct Investment and Economic Growth"**

in the year 2018

ATTESTED

Date 26 APR 2018

Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*
*hereby confers the degree of*

## Doctor of Philosophy

*in*

**English**

*on*

## Manoj Kumar Rath

*who has successfully completed the prescribed requirements*
*in the academic year 2018-19*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Date: 13 FEB 2019

Vice-Chancellor

18000112

140/2015

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

## Alok Ranjan Nayak

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* Chemistry *under the Faculty of* Basic Science and Humanities *held in the month of July,* 2018, *was this day admitted to the degree.*

JYOTI VIHAR, BURLA
ODISHA, INDIA

The 12th April, 2019

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice Chancellor

Sl. No. 17197

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**BIMAL PRASAD MOHAPATRA**

Registration No : 1771012001

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Pedagogical and Psychological Means of Improving Classroom Teaching at Higher Secondary Level"**

in the year 2022

ATTESTED

Date 28 APR 2022

Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

1400009 33/2014

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Arun Tripathy**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* **Mathematics** *, under the Faculty of* **Humanities & Social Science** *held in the month of April, 2018, was this day admitted to the degree.*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 19th August, 2018

Vice-Chancellor

1800077 74/2014

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Diptimayee Swain**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* Economics *, under the Faculty of* Humanities & Social Science *held in the month of April, 2018, was this day admitted to the degree.*

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 19th August, 2018

Vice-Chancellor

Sl. No ....17139

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**SAKYA SINGH SATAPATHY**

Registration No : 1771014219

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended

the thesis entitled :

**"The study of algorithms for solving mathematical problems numerically, such as solving differential equations, optimization problems, and linear systems"**

in the year 2022

ATTESTED

Principal

Trident Academy of Technology

Bhubaneswar-751024

Date 28 APR 2022

CONTROLLER OF EXAMINATIONS

Sl. No.....12133

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**CHANDRAMALLI MISHRA**

Registration No : 1871015531

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended

the thesis entitled :

**"Illustrations of masculinity: A comparative study between pre-independence and post-independence Indian novels"**

in the year 2022

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date 28 APR 2022

CONTROLLER OF EXAMINATIONS

Sl. No. 17131

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**TUSHAR RANJAN PANDA**

Registration No : 1871013659

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended the thesis entitled :

**"Between tradition and modernity: Through the lens of Tagore's Gora"**

in the year 2022

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date 28 APR 2022

CONTROLLER OF EXAMINATIONS

Roll No. PhD2018301

# Utkal University

## Degree of Doctor of Philosophy

*This is to certify that*

**SABYASACHI DEY**

*has been this day admitted to the degree of*

**DOCTOR OF PHILOSOPHY**

*in* **Business Administration**

*under the faculty of*

**Business Studies & Management**

## ବିଦ୍ୟା ବିଭୂଷଣ ଯୋଗ୍ୟତା ପତ୍ର

ବ୍ୟବସାୟ ଓ ପରିଚାଳନା ବିଦ୍ୟା କ୍ଷେତ୍ରରେ

ବ୍ୟବସାୟ ପ୍ରଶାସନ ବିଷୟରେ

ସବ୍ୟସାଚୀ ଦେ ଙ୍କୁ

ଅଦ୍ୟ ଏହି ବିଦ୍ୟା ବିଭୂଷଣ ଉପାଧି ପ୍ରଦତ୍ତ ହେଲା।

ଗୌରେନ୍ଦ୍ର ବେହେରୁଜ

କୁଳପତି

*The 29th March, 2019*

*Utkal University,*

*Vani Vihar, Bhubaneswar,*

*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice Chancellor

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

# Utkal University

No. [illegible]

## UTKAL UNIVERSITY

DIPLOMA OF DOCTOR OF PHILOSOPHY (Ph.D.)

This is to certify that

**AMARENDRA BARAL**

Who passed the examination for the degree of

DOCTOR OF PHILOSOPHY

**MATHEMATICS** held in the

month of **JULY** **2005**, was this day

admitted to the degree

UTKAL UNIVERSITY
VANI VIHAR
BHUBANESWAR

The Dt. 03 -12-2006

ATTESTED

Trident Academy of Technology
Bhubaneswar-751024

## ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ

### ବିଲୁପ୍ତଣ ଛପାଏ ପତ୍ର

୨୦୦୫ ମସିହା ଜୁଲାଇ ମାସରେ ଅନୁଷ୍ଠିତ

ବିଜ୍ଞାନ ବିଲୁପ୍ତଣ

ଛପାଏ ପରୀକ୍ଷାରେ ଗଣିତ ଶାସ୍ତ୍ର ରେ ଉତ୍ତୀର୍ଣ୍ଣ

ଅମରେନ୍ଦ୍ର ବରାଳ

ଙ୍କୁ ଏହି ଛପାଏ ପ୍ରଦତ୍ତ ହେଲା ।

ଉତ୍କଳ
ବିଶ୍ୱବିଦ୍ୟାଳୟ
ବାଣୀ ବିହାର
ଭୁବନେଶ୍ୱର

ତାରିଖ. ୦୦ ୦୨

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-75

Sl. No. VSSUT/2017/042

Regd. No. 13050036

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Nani Gopal Das

Who has successfully completed the prescribed requirements for award of this degree in the year 2017.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2017.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

1800021

19/2014

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Sidharth Mishra**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* Information Technology , *under the Faculty of* Science and Technology *held in the month of April, 2018, was this day admitted to the degree.*

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 19th August, 2018

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

1500031

54/2015

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Pramod Kumar Sethy**

*having passed the examination for the degree of*

# Doctor of Philosophy

*in* Information Technology , *under the Faculty of* Science and Technology *held in the month of April, 2019, was this day admitted to the degree.*

ATTESTED

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Principal
Trident Academy of Technology
Bhubaneswar-751024

JYOTI VIHAR, BURLA
ODISHA, INDIA

The 19th August 2019

Sl. No. 11113

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**RANJEEP PRADHAN**

Registration No : 1471013889

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended

the thesis entitled :

**"Evaluate the IoT and 5G networks"**

in the year 2018

ATTESTED

Principal

Trident Academy of Technology

Bhubaneswar-751024

Date 28 APR 2018

CONTROLLER OF EXAMINATIONS

1800069 61/2014

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Santosh Kumar Sahu**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* Information Technology , *under the Faculty of* Science and Technology *held in the month of April, 2018, was this day admitted to the degree.*

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 19th August, 2018

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

Sl. No. VSSUT/2018/065

Regd. No. 14050012

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Information Technology*

*on*

## Soubhagya Kumar Mallick

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No. VSSUT/2018/083 Regd. No. 14050072

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Information Technology*

*on*

## Rabinarayan Mohanty

Who has successfully completed the prescribed requirements for award of this degree in the year 2018.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2018.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

Sl. No ....13911

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**ASHISH KUMAR BARIK**

Registration No : 1671013741

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

**Doctor of Philosophy**

having successfully defended the thesis entitled :

**"Explore the applications of big data in tourism"**

in the year 2020

Date: 30 APR 2020

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

CONTROLLER OF EXAMINATIONS

Sl. No. VSSUT/2020/032

Regd. No. 16080076

# Veer Surendra Sai University of Technology

*Upon the recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

*Computer Science and Engineering*

*on*

## Pradyumna Kumar Nayak

Who has successfully completed the prescribed requirements for award of this degree in the year 2020.

Given under the seal of the University at Burla in the Republic of India on the 22th day of June, 2020.

*Siddhi Vihar, Burla*
*Sambalpur - 768 018*
*Odisha, India*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

*Vice-Chancellor*

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Business Administration

*on*

## Ashok Kumar Rath

*who has successfully completed the prescribed requirements*

*in the academic year 1999-2000*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date : 11 FEB 2000

*Vice-Chancellor*

# Utkal University

## Degree of Doctor of Philosophy

It is hereby certify that

MANAS RANJAN CHOWDHURY

has been admitted to the degree of

DOCTOR OF PHILOSOPHY

in Business Administration

under the faculty of

Business Studies & Management

ବିଦ୍ୟା ବିଭୂଷଣ ଯୋଗ୍ୟତା ପତ୍ର

ବ୍ୟବସାୟ ଓ ପରିଚାଳନା ବିଦ୍ୟା କ୍ଷେତ୍ରରେ

ବ୍ୟବସାୟ ପ୍ରଶାସନ ବିଷୟରେ

ମାନସ ରଞ୍ଜନ ଚୌଧୁରୀ ଙ୍କୁ

ପ୍ରଦାନ କରି ବିଦ୍ୟା ବିଭୂଷଣ ଉପାଧି ପ୍ରଦାନ କରେଳା।

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

# Biju Patnaik University of Technology, Odisha

Rourkela

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Business Administration

*on*

## Sonam Subhadarshini

*who has successfully completed the prescribed requirements*

*in the academic year 2018-19*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date : 13 FEB 2019

Vice-Chancellor

# RAVENSHAW UNIVERSITY
# CUTTACK

Notification No. Exam. Ph.D/ Management - 162 / 2015 Dated 29.06.2015

## THE DEGREE OF DOCTOR OF PHILOSOPHY IN MANAGEMENT

**Nargis Begum Ph.D Registration No. 02-MGT-2007-08 is declared to have qualified for the award of Ph.D Degree in Management under Ravenshaw University, Cuttack, Odisha. The title of the thesis is "SOCIAL ACCOUNTABILITY OF CORPORATE SECTOR : A COMPARATIVE STUDY OF TATA STEEL AND NALCO ".**

CONTROLLER OF EXAMINATIONS

**Memo No. Exam Ph D/ Management- 163 (16)/ 2015 Dated. 29.06.2015**

Copy forwarded to

1. Mrs. Nargis Begum, W/o-Sk. Sahanawaj Ahmed, Plot No. 2289, Near Bhubaneswar Hotel, Cuttack Road, Bhubaneswar-751 006
2. Dr. Sanjay Kumar Satapathy, Reader in Commerce, Ravenshaw University, Cuttack ( Supervisor )
3. Dr. Harekrushna Swain, Professor of PMIR, Utkal University, Bhubaneswar (Co-Supervisor)
4. Prof. Kartick Chandra Paul, Dept. of Business Administration, Vidyasagar University, Midnapore-721 102, West Bengal, India (External Examiner)
5. Prof. Lalit Prakash Pateriya, Dept. of Management Studies, Guru Ghasidas University, Bilaspur (C.G) (External Examiner)
6. Head of Department & Chairman, BOS, Department of Commerce, Ravenshaw University, Cuttack
7. The Director of Printing, Publication, Stationeries, Orissa Govt. Press, Cuttack for favour of publication in the next issue of the Orissa Gazette.
8. The Secretary, University Grants Commission (UGC), Bahadur Shah Zafar Marg, New Delhi, Pin 110 002, India
9. The Secretary, Association of Indian Universities, AIU House 16, Kotla Marg, New Delhi-110002
10. The Librarian, Association of Indian Universities, AIU House 16, Kotla Marg, New Delhi-110002
11. The Editor, University News, Association of Indian Universities, AIU House 16, Kotla Marg, New Delhi, 110002
12. The Director , Higher Education, Orissa , Bhubaneswar for information.
13. The Director, Ravenshaw Knowledge Centre, Ravenshaw University, Cuttack
14. OSD to Hon'ble Vice Chancellor
15. Steno to Hon'ble Vice Chancellor
16. Guard File (5 copies)

CONTROLLER OF EXAMINATIONS

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

# Biju Patnaik University of Technology, Odisha

Rourkela







*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Computer Applications

*on*

## Kaustuva Chandra Dev

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*



ATTESTED

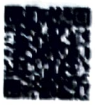
Principal
Trident Academy of Technology
Bhubaneswar-751024

Date : 13 FEB 2019

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela







*On recommendation of the Board of* ***Management,***

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Computer Applications

*on*

## Sanjeev Narayan Bal

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*



ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

Date : 13 FEB 2019

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela

[redacted] [redacted]

*On recommendation of the Board of Management,*

*hereby confers the degree of*

## Doctor of Philosophy

*in*

## Computer Applications

*on*

## Ashok Kumar Sahoo

*who has successfully completed the prescribed requirements*

*in the academic year 2017-18*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal
Trident Academy of Technology
Bh[redacted]ar-751024

Date : 13 FEB 2019

Vice-Chancellor

# Biju Patnaik University of Technology, Odisha

Rourkela

On recommendation of the Board of Management,

hereby confers the degree of

## Doctor of Philosophy

*in*

## Computer Applications

*on*

## Dipalika Das

*who has successfully completed the prescribed requirements*

*in the academic year 2018-19*

*Given at Rourkela on this day under the seal of the University.*

ATTESTED

Principal

Trident Academy of Technology

Bhubaneswar-751024

Date : 13 FEB 2019

Vice-Chancellor

Sl. No. 1111

# SIKSHA 'O' ANUSANDHAN UNIVERSITY

(A Deemed University declared U/S 3 of the UGC Act, 1956)

**BHUBANESWAR, ODISHA**

## PROVISIONAL CERTIFICATE

**KALYANI PRADHAN**

Registration No : 1471012058

has completed all the prescribed requirements and possesses the proficiency for the award of degree

of

## Doctor of Philosophy

having successfully defended the thesis entitled :

**"Manufacturing processes and engineering economics"**

in the year 2018

ATTESTED

Date: 28 APR 2018

Principal
Trident Academy of Technology
Bhubaneswar 751024

CONTROLLER OF EXAMINATIONS

2000026 52/2016

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Diptiranjan Panda**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* Mechanical Engineering , *under the Faculty of* Science and Technology *held in the month of April, 2020, was this day admitted to the degree.*

JYOTI VIHAR, BURLA
ODISHA, INDIA
The 19th August, 2020

ATTESTED
Principal
Trident Academy of Technology
Bhubaneswar-751024

Vice-Chancellor

H7D000058

# Jadavpur University

*Certified that*

## Akshaya Kumar Nayak

*was admitted to the Degree of* Doctor of Philosophy in Engineering *of the University on* 27.06.2017 *and that the degree was conferred on him here at the Convocation held in December 2017 with all the Rights and Privileges thereto appertaining.*

*In Witness whereof the Signature of the Vice-Chancellor of* Jadavpur University *is hereunto affixed.*

JADAVPUR UNIVERSITY
The 24th December, 2017

ATTESTED

Trident Academy of Technology
Bhubaneswar-751024

ATTESTED

Vice-Chancellor

Principal
Trident Academy of Technology
Bhubaneswar-751024

[illegible] 110/2009

# Sambalpur University

# ସମ୍ବଲପୁର ବିଶ୍ୱବିଦ୍ୟାଳୟ

## DOCTOR OF PHILOSOPHY

This is to Certify that

**Ajay Kumar Sahoo**

*having passed the examination for the degree of*

## Doctor of Philosophy

*in* **Mechanical Engineering,** *under the Faculty of* **Science and Technology** *held in the month of April, 2017, was this day admitted to the degree.*

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024

JYOTI VIHAR, BURLA
ODISHA, INDIA

The 6th January, 2018

Vice-Chancellor

DUPLICATE

# University of Madras
# சென்னைப் பல்கலைக்கழகம்

அறிவியல் புலம்

## FACULTY OF SCIENCE

2005 ஆம் ஆண்டில் **சென்னைப் பல்கலைக்கழகத்தில்** ஆய்வு நிகழ்த்தி வழங்கிய **ஆய்வேட்டுக்காக முனைவர் பட்டம்** பெறத் தகுதியுடையவர் என்று தக்க தேர்வாளர்களால் சான்றளிக்கப்பட்டு பாரத் பூஷண் பட்நாயக் என்பவருக்கு **முனைவர் பட்டம்** அளிக்கப்படுகிறது என்று சென்னைப் பல்கலைக்கழகப் பேரவை அறிவிக்கிறது.

சென்னைப் பல்கலைக்கழக இலச்சினையுடன், சென்னையில் 2005 ஆம் ஆண்டு நவம்பர் திங்கள் 30 ஆம் நாள் அளிக்கப்பட்டது.

*The Senate of the University of Madras hereby makes known that* **BHARAT BHUSAN PATNAIK** *has been conferred the*

## DEGREE OF DOCTOR OF PHILOSOPHY

*he/she having been certified by duly appointed examiners to be qualified to receive the same in the year* 2005.

*Given under the seal of the University of Madras, at Chennai this* 30th *day of* November 2005.

*Title of the Thesis* :
ஆய்வுத் தலைப்பு :

"Molecular Toxicological Studies in Cyprinus carpio communis (L.) Exposed to Lead and Cadmium with Special Reference to Tissue – Specific Expression of HSP70 Gene" (Zoology)

பதிவாளர்
Registrar

(Sd----------)
S.P.THYAGARAJAN
துணை வேந்தர்
Vice-Chancellor

ATTESTED

Principal
Trident Academy of Technology
Bhubaneswar-751024



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