SHREE L. R. TIWARI COLLEGE OF ENGINEERING

Approved by AICTE & DTE, Maharashtra State & Affiliated to University of Mumbai, NAAC Accredited, NBA Accredited program, ISO 9001:2015 Certified | DTE Code No: 3423, Recognized under Section 2(f) of the UGC Act 1956, Minority Status (Hindi Linguistic)

Criterion 1 – Curricular Aspects

1.2 Academic Flexibility

1.2.1 Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. where the students of the institution have enrolled and successfully completed during the last five years)

	Documents Submitted for DVV Clarification
Sr. No	**File Description**
1	DVV with page numbers of certificates and Approval letters
2	List of certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL
3	Sample certificate for each course
4	Approval of Courses and response letter from University of Mumbai
5	List of exiting/regular courses and self-designed Add On/Certificate/Value-Added Courses by SLRTCE

PRINCIPAL
Shree L. R. Tiwari College of Engineering
Kanakiya Park, Mira Road (E).

DVV Clarification

1.2.1 Number of Add on /Certificate/Value added programs offered and online MOOC programs like SWAYAM, NPTEL etc. where the students of the institution have benefitted during the last five years)

1.2.2 Percentage of students enrolled in Certificate/ Add-on/Value added programs and also completed online MOOC programs like SWAYAM, NPTEL etc.as against the total number of students during the last five years

Year 1								
Name of Add on /Certificate /Value added programs offered and online MOOC programs like SWAYAM, NPTEL etc. programs offered	Course Code (if any)	Year of offering	No. of times offered during the same year	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year	Certificate (Page Number of Proof)	Approval Letter (Page Number of Proof)
Structural and Architectural Aspects in Civil Engineering	-	2022 -2023	1	30	73	72	5	69
AWS Cloud	-	2022 -2023	1	30	137	118	6	69
Computer Graphics	-	2022 -2023	1	30	1	1	7	69
Programming In Java	-	2022 -2023	1	30	1	1	8	69
The Joy of Computing using python	-	2022 -2023	1	30	1	1	9	69
Advanced Python for Mechanical Engineering	-	2022 -2023	1	30	34	34	10	69
Advanced Cybersecurity Malware Analysis	-	2022 -2023	1	30	150	122	11	69
Digital VLSI Design	-	2022-2023	1	30	278	219	12	69
Product Design and Development	-	2022-2023	1	30	182	97	13	69
5 G Communication	-	2022 -2023	1	30	108	82	14	69
Environmental Ethics	-	2022-2023	1	30	223	182	15	69
Automation Testing and Deveops	-	2022-2023	1	30	20	20	16	69
Digital Marketing	-	2022-2023	1	30	29	29	17	69
Game Asset Development using Blender	-	2022-2023	1	30	55	47	18	69
Machine Learning	-	2022-2023	1	30	311	311	19	69
Flutter	-	2022-2023	1	30	253	184	20	69

Year 2								
Name of Add on /Certificate /Value added programs offered and online MOOC programs like SWAYAM, NPTEL etc. programs offered	Course Code (if any)	Year of offering	No. of times offered during the same year	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year	Certificate (Page Number of Proof)	Approval Letter (Page Number of Proof)
Fundamental and Application of Robotics Lab	-	2021-2022	1	30	113	113	21	72
AWS Cloud	-	2021-2022	1	30	357	223	22	72
Internet of Things	-	2021-2022	1	30	63	60	23	72
CCNAv7:Introduction to Networks	-	2021 -2022	1	70	20	9	24	72
CCNAv7:Switch Routing and Wireless Essential	-	2021 -2022	1	70	20	9	25	72
CCNAv7:Enterprise, Networking, Security & Automation	-	2021-2022	1	70	20	9	26	72
Add on course"Drone Technologies"	-	2021-2022	1	30	30	30	27	72
Python for Mechanical Engineering	-	2021 -2022	1	30	54	54	28	72
Year 3								
Name of Add on /Certificate /Value added programs offered and online MOOC programs like SWAYAM, NPTEL etc. programs offered	Course Code (if any)	Year of offering	No. of times offered during the same year	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year	Certificate (Page Number of Proof)	Approval Letter (Page Number of Proof)
Programming Foundations with JavaScript, HTML and CSS	-	2020-2021	1	33	10	10	29	
Introduction to Electronics	-	2020-2021	1	46	i	i	30	
Algorithmic Toolbox	-	2020-2021	1	40	1	1	31	
Convolutional Neural Networks	-	2020-2021	1	37	i	1	32	

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Deep Learning	-	2020-2021	1	140	1	1	33	
Google IT Support	-	2020-2021	1	60	1	1	34	
Introduction to Data Science in Python	-	2020-2021	1	34	1	1	35	
IT Security: Defense against the digital dark arts	-	2020-2021	1	31	2	2	36	
Operating Systems and You: Becoming a Power User	-	2020-2021	1	33	1	1	37	
R Programming	-	2020-2021	1	57	1	1	38	
Sequence Models	-	2020-2021	1	37	1	1	39	
Supply Chain Management	-	2020-2021	1	72	1	1	40	
Python for Everybody	-	2020-2021	1	96	3	3	41	
Application of Geoinformatics in Ecological Studies	-	2020-2021	1	30	1	1	42	
Introduction to Data Science in Python	-	2020-2021	1	34	2	2	43	
Object Oriented Programming in Java	-	2020-2021	1	120	1	1	44	
HTML, CSS, and Javascript for Web Developers	-	2020-2021	1	40	1	1	45	
Introduction to Scripting in Python	-	2020-2021	1	32	1	1	46	
Database Management Essentials	-	2020-2021	1	122	1	1	47	

| Building Web Applications in PHPBuilding Web Applications in PHP | - | 2020-2021 | 1 | 30 | 1 | 1 | 48 | |
| Java Programming and Software Engineering Fundamentals | - | 2020-2021 | 1 | 80 | 1 | 1 | 49 | |

Year 4

Name of Add on /Certificate /Value added programs offered and online MOOC programs like SWAYAM, NPTEL etc. programs offered	Course Code (if any)	Year of offering	No. of times offered during the same year	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year	Certificate (Page Number of Proof)	Approval Letter (Page Number of Proof)
A complete report writing workshop using LaTex software	-	2019-2020	1	30	282	282	50	74
Value education on Self Development	-	2019-2020	1	30	139	113	51	74
Personality Development: Self-Discovery Intensive	-	2019-2020	1	30	64	60	52	74
Solid Works and Ansys	-	2019-2020	1	30	159	159	53	74
Integrity Engineering: Nurturing Values in Technology	-	2019-2020	1	30	134	116	54	74
Essentials of Dharma: Mindful Decision-Making	-	2019-2020	1	30	278	278	55	74
Value Education for Mind Control: Brainpower Enhancement	-	2019-2020	1	30	70	62	56	74

Year 5

Name of Add on /Certificate /Value added programs offered and online MOOC programs like SWAYAM, NPTEL etc. programs offered	Course Code (if any)	Year of offering	No. of times offered during the same year	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year	Certificate (Page Number of Proof)	Approval Letter (Page Number of Proof)
Robotics	-	2018-2019	1	30	23	23	57	77
Ethics in engineering & value education :AURA	-	2018-2019	1	30	89	86	58	77
Dharma-A Life of Integration	-	2018-2019	1	30	76	70	59	77

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Basic Programming Using Pytrhon	-	2018-2019	1	30	65	65	60	77
Ethics in engineering and value education	-	2018-2019	1	30	144	131	61	77
Human Rights	-	2018-2019	1	30	150	150	62	77
Environmental Impact Assesment	-	2018-2019	1	30	68	38	63	77
Soft Skill Development	-	2018-2019	1	30	165	85	64	77
Internet of Things	-	2018-2019	1	30	54	45	65	77
Panchkosh	-	2018-2019	1	30	145	144	66	77
Value added education on mind control	-	2018-2019	1	30	159	89	67	77
Personality Development	-	2018-2019	1	30	278	278	68	77

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Shree Rahul Education Society's (Regd.)

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Minority Status (Hindi Linguistic)

Course Completion Certificate for Add on /Certificate/Value added programs for last five years

Sr. No	Name of Add on /Certificate /Value added programs offered and online MOOC programs like SWAYAM, NPTEL etc. programs offered	Year of offering
1	Structural and Architectural Aspects in Civil Engineering	2022 -2023
2	AWS Cloud	2022 -2023
3	Computer Graphics	2022 -2023
4	Programming In Java	2022 -2023
5	The Joy of Computing using python	2022 -2023
6	Advanced Python for Mechanical Engineering	2022 -2023
7	Advanced Cybersecurity Malware Analysis	2022 -2023
8	Digital VLSI Design	2022-2023
9	Product Design and Development	2022-2023
10	5 G Communication	2022 -2023
11	Environmental Ethics	2022-2023
12	Automation Testing and Deveops	2022-2023
13	Digital Marketing	2022-2023
14	Game Asset Development using Blender	2022-2023
15	Machine Learning	2022-2023
16	Flutter	2022-2023

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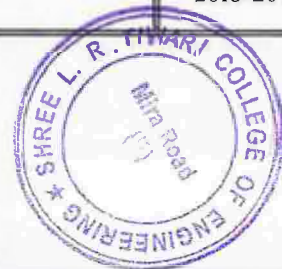
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Course Completion Certificate for Add on /Certificate/Value added programs for last five years

Sr. No	Name of Add on /Certificate /Value added programs offered and online MOOC programs like SWAYAM, NPTEL etc. programs offered	Year of offering
17	Fundamental and Application of Robotics Lab	2021-2022
18	AWS Cloud	2021-2022
19	Internet of Things	2021-2022
20	CCNAv7:Introduction to Networks	2021- 2022
21	CCNAv7:Switch Routing and Wireless Essential	2021-2022
22	CCNAv7:Enterprise, Networking, Security & Automation	2021- 2022
23	Add on course"Drone Technologies"	2021-2022
24	Python for Mechanical Engineering	2021- 2022
25	Programming Foundations with JavaScript, HTML and CSS	2020-2021
26	Introduction to Electronics	2020-2021
27	Algorithmic Toolbox	2020-2021
28	Convolutional Neural Networks	2020-2021
29	Deep Learning	2020-2021
30	Google IT Support	2020-2021
31	Introduction to Data Science in Python	2020-2021
32	IT Security: Defense against the digital dark arts	2020-2021

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Course Completion Certificate for Add on /Certificate/Value added programs for last five years

Sr. No	Name of Add on /Certificate /Value added programs offered and online MOOC programs like SWAYAM, NPTEL etc. programs offered	Year of offering
33	Operating Systems and You: Becoming a Power User	2020-2021
34	R Programming	2020-2021
35	Sequence Models	2020-2021
36	Supply Chain Management	2020-2021
37	Python for Everybody	2020-2021
38	Application of Geoinformatics in Ecological Studies	2020-2021
39	Introduction to Data Science in Python	2020-2021
40	Object Oriented Programming in Java	2020-2021
41	HTML, CSS, and Javascript for Web Developers	2020-2021
42	Introduction to Scripting in Python	2020-2021
43	Database Management Essentials	2020-2021
44	Building Web Applications in PHPBuilding Web Applications in PHP	2020-2021
45	Java Programming and Software Engineering Fundamentals	2020-2021
46	A complete report writing workshop using LaTex software	2019-2020
47	Value education on Self Development	2019-2020
48	Personality Development: Self-Discovery Intensive	2019-2020

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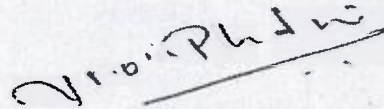Minority Status (Hindi Linguistic)

Course Completion Certificate for Add on /Certificate/Value added programs for last five years

Sr. No	Name of Add on /Certificate /Value added programs offered and online MOOC programs like SWAYAM, NPTEL etc. programs offered	Year of offering
49	Solid Works and Ansys	2019-2020
50	Integrity Engineering: Nurturing Values in Technology	2019-2020
51	Essentials of Dharma: Mindful Decision-Making	2019-2020
52	Value Education for Mind Control: Brainpower Enhancement	2019-2020
53	Robotics	2018-2019
54	Ethics in engineering & value education :AURA	2018-2019
55	Dharma-A Life of Integration	2018-2019
56	Basic Programming Using Pytrhon	2018-2019
57	Ethics in engineering and value education	2018-2019
58	Human Rights	2018-2019
59	Environmental Impact Assesment	2018-2019
60	Soft Skill Development	2018-2019
61	Internet of Things	2018-2019
62	Panchkosh	2018-2019
63	Value added education on mind control	2018-2019
64	Personality Development	2018-2019

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4

ONE WEEK AUDIT COURSE ON
" STRUCTURAL AND ARCHITECTURAL ASPECTS IN CIVIL ENGINEERING "

DEPARTMENT OF CIVIL ENGINEERING

Shree Rahul Education Society' (Regd.)

SHREE L.R. TIWARI COLLEGE OF ENGINEERING

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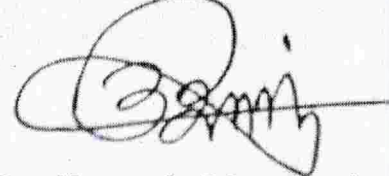
Approved by Council of Architecture, New Delhi & DTE, Maharashtra State & Affiliated to University of Mumbai | DTE Code No.: AR 3484

CERTIFICATE

This is to certify that **Mr./Ms. MOHIT VEDANT SUNIL** of **Shree L. R. Tiwari College of Engineering** has successfully participated **Add on Audit Course (30 Hours) & In-house Internship (30 Hours) on " Structural and Architectural aspects in Civil Engineering"** held during **9th – 30th January 2023,** jointly organized by **Department of Civil Engineering, Shree L. R. Tiwari College of Engineering (SLRTCE) & Smt. K. L. Tiwari College of Architecture (SKLTCOA).**

Dr. Ajit Patil
HOD, CE, SLRTCE

Dr. Umesh Bhadade
Vice Principal, SLRTCE

Prof. Ar. Rupali H. Gupte
Principal, SKLTCOA

Dr. Deven Shah
Principal, SLRTCE

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SHREE L. R. TIWARI
COLLEGE OF ENGINEERING

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CERTIFICATE

This is to certify that **SINGH PRIYANSHU AMRESH** of **Shree L. R. Tiwari College of Engineering** has successfully completed **add on course on " AWS Cloud"** held during **8th December 2022 to 15th December 2022,** organized by **Department of Computer Engineering, Shree L. R. Tiwari College of Engineering (SLRTCE)** .
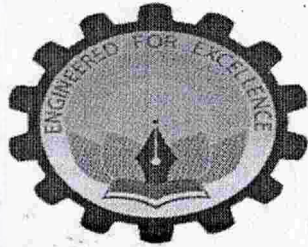
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Kanakiya Park, Mira Road (E).

Ms.Neelam Phadnis
HOD, CS, SLRTCE

3
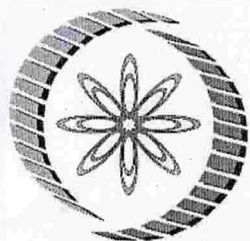
NPTEL Online Certification

(Funded by the MoE, Govt. of India)

This certificate is awarded to

PRASHANT KUMAR PATHAK

for successfully completing the course

Computer Graphics

with a consolidated score of **52** %

Online Assignments	21.67/25	Proctored Exam	30.75/75

Total number of candidates certified in this course: **311**

PRINCIPAL
Shree L. R. Tiwari College of Engineering
Kanakiya Park, Mira Road (E).

Jul-Sep 2022

(8 week course)

Prof. T. V. Bharat
Head, Centre for Educational Technology
NPTEL Coordinator, IIT Guwahati

Indian Institute of Technology Guwahati

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7

NPTEL Online Certification

(Funded by the MoE, Govt. of India)

This certificate is awarded to

PRASHANT KUMAR PATHAK

for successfully completing the course

Programming In Java

with a consolidated score of **54** %

Online Assignments	23.53/25	Proctored Exam	30/75

Total number of candidates certified in this course: **9357**

PRINCIPAL
Shree L. R Tiwari College of Engineering
Kanakiya Park, Mira Road (E).

Jan-Apr 2023

(12 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

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Roll No: N P TE L23 CS49S244480477   To validate the certificate   N o. of credits recommended: 3 or 4

8
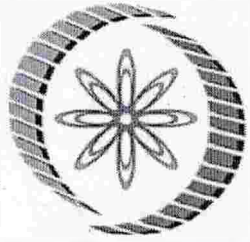
Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)

This certificate is awarded to

PRASHANT KUMAR PATHAK

for successfully completing the course

The Joy of Computing using Python

with a consolidated score of **76** %

Online Assignments	24.53/25	Proctored Exam	51/75

Total number of candidates certified in this course: **10672**

Devendra Jalihal

Prof. Devendra Jalihal
Chairperson,
Centre for Outreach and Digital Education, IITM

Jan-Apr 2023

(12 week course)

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras

Indian Institute of Technology Madras

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CERTIFICATE

This is to certify that **CHAUHAN ADITYA HARISHCHANDRA** of **Shree L. R. Tiwari College of Engineering** has successfully completed **add on course on "Advanced Python for Mechanical Engineering"** held during **12th December to 24th December 2022,** organized by **Department of Mechanical (MECH) Engineering, Shree L. R. Tiwari College of Engineering (SLRTCE).**

Mr.Ninad Mahadeshwar
Course Coordinator, MECH

Mr. Manish Rane
HOD,MECH

Dr. Deven Shah
Principal, SLRTCE

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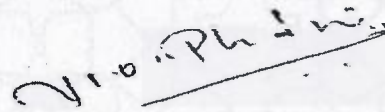
CERTIFICATE

This is to certify that **DWIVEDI HRITHIK RAJENDRA** of **Shree L. R. Tiwari College of Engineering** has successfully completed **add on course on " Advanced Cybersecurity Malware Analysis"** held during **26th June 2023 to 01st July 2023,** organized by **Department of Computer Engineering, Shree L. R. Tiwari College of Engineering (SLRTCE) .**

PRINCIPAL
Shree L. R. Tiwari College of Engineering
Kanakiya Park, Mira Road (E).

Ms.Neelam Phadnis
HOD, CS, SLRTCE

. Shree Rahul Education Society's (Regd.)

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Minority Status (Hindi Linguistic)

CERTIFICATE
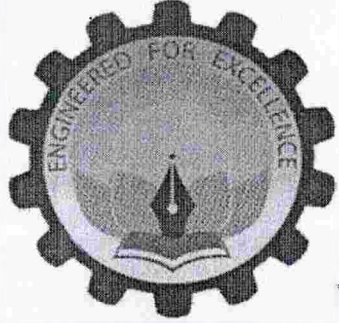
This is to certify that **Mr./Ms. BHOWAD ANISH ASHOK AART**I of **Shree L. R. Tiwari College of Engineering** has successfully completed **Add on Course (30 Hours) on " Digital VLSI Design"** held during **8th – 4th December 2023**, organized by Department of Electronics and Computer Science of Shree L. R. Tiwari College of Engineering (SLRTCE) .

Ms. Khushbu Tikhe
Course coordinator, ECS

Ms. Manjiri Gogate
HOD, ECS, SLRTCE

Dr. Deven Shah
Principal, SLRTCE

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SHREE L. R. TIWARI
COLLEGE OF ENGINEERING

CERTIFICATE

This is to certify that **BHOIR DHRUV BHARAT MANISHA** of **Shree L. R. Tiwari College of Engineering** has successfully completed **add on course on " Product Design and Development"** held during **16th June 2023 to 21st June 2023,** organized by **Department of Electronics and Computer Science, Shree L. R. Tiwari College of Engineering (SLRTCE) .**

PRINCIPAL
Shree L. R. Tiwari College of Engineering
Kanakiya Park, Mira Road (E).

Mrs.Manjiri Gogate
HOD, ECS, SLRTCE

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Minority Status (Hindi Linguistic)

CERTIFICATE

This is to certify that **Mr./Ms. KANDU HARSH BRIJESH** of **Shree L. R. Tiwari College of Engineering** has successfully completed **Add on Course (30 Hours) on " 5G Communication"** held during **1st December 2022 to 7th December 2022**, organized by **Department of Electronics and Telecommunication (EXTC) Engineering of Shree L. R. Tiwari College of Engineering (SLRTCE)**

Ms. Aparna Majare
Course coordinator, EXTC

Ms. Aboli Mohrail
HOD, EXTC, SLRTCE

Dr. Deven Shah
Principal, SLRTCE

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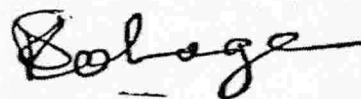## COLLEGE OF ENGINEERING

CERTIFICATE

This is to certify that **PATHAK AYAN SHIVSHANKAR** of **Shree L. R. Tiwari College of Engineering** has successfully completed Audit course **on " Environmental Ethics"** held during **August to October 2022,** organized by **Shree L. R. Tiwari College of Engineering (SLRTCE).**

PRINCIPAL
Shree L. R. Tiwari College of Engineering
Kanakiya Park, Mira Road(E).

Dr. Deven Shah
Principal, SLRTCE

EXCELR
Raising Excellence
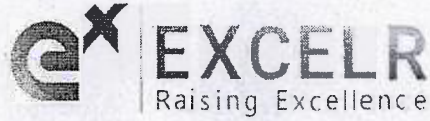
CERTIFICATE

Of Participation

This certificate is proudly presented to

Gupta Namrata Jayshankar

For successful completion of

30 Hours Live Training Program on

Automation Testing and DevOps

Held from 08th Aug 2022 to 29th Aug 2022

Cert No: EXCELR-EDL/70520/07092022

Ram Tavva
CEO, ExcelR

EDL
Everyday Learning

EXCELR
Raising Excellence
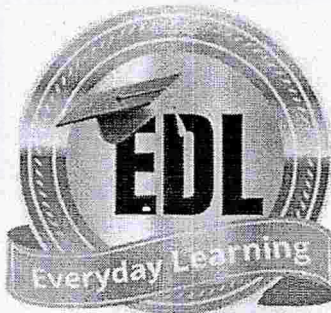
CERTIFICATE

OF PARTICIPATION

This certificate is proudly presented to

Aryan Ashish Tiwari

For successful completion of

30 hours Live Training Program on

Digital Marketing

Held from 12th Sep 2022 to 30th Sep 2022.

Cert No: EXCELR-EDL-7047/06102022
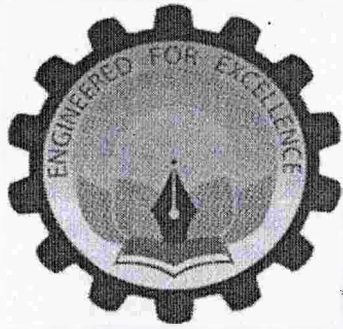
EDL
Everyday Learning

Ram Tavva
CEO, ExcelR

17

SHREE L. R. TIWARI
COLLEGE OF ENGINEERING

(Approved by AICTE & DTE, Maharashtra State & Affiliated to University of Mumbai)
NAAC Accredited, NBA Accredited Program, ISO 9001:2015 Certified|DTE Code No. : 3423
Minority Status (Hindi Linguistic)

CERTIFICATE

This is to certify that **Mr./Ms. SIMRAN RAWAT** of **Shree L. R. Tiwari College of Engineering** has successfully completed **Add on Course (30 Hours) on " Game Asset Development Using Blender"** held during **19th June 2023 to 23rd June 2023**, organized by **Department of Information Technology (IT) of Shree L. R. Tiwari College of Engineering (SLRTCE)** .

PRINCIPAL
Shree L. R. Tiwari College of Engineering
Kanakiya Park, Mira Road (E).

Mr. Manthan Joshi
Course coordinator,IT
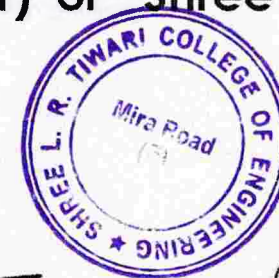
Ms. Roopali Lolage
HOD,, IT,SLRTCE

Dr. Deven Shah
Principal, SLRTCE

SHREE L. R. TIWARI
COLLEGE OF ENGINEERING

(Approved by AICTE & DTE Maharashtra State & Affiliated to University of Mumbai)
NAAC Accredited, NBA Accredited Program, ISO 9001:2015 Certified| DTE Code No. : 3423
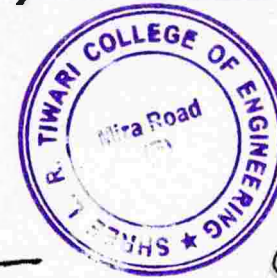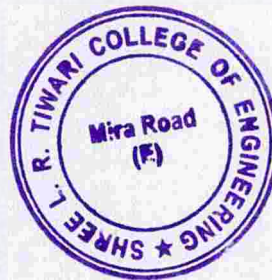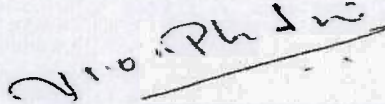Minority Status (Hindi Linguistic)

CERTIFICATE

This is to certify that **Mr./Ms. NAIKWADE GAURAV MILIND** of **Shree L. R. Tiwari College of Engineering** has successfully completed **Add on Course (30 Hours) on "Machine Learning"** held during **12th December to 16th December 2022,** organized by **Department of Information Technology (IT) of Shree L. R. Tiwari College of Engineering (SLRTCE).**

PRINCIPAL
Shree L. R. Tiwari College of Engineering
Kanakiya Park, Mira Road (E).

Ms. Rupali Pashte
Course coordinator,IT

Ms. Roopali Lolage
HOD,, IT,SLRTCE

Dr. Deven Shah
Principal, SLRTCE

SHREE L. R. TIWARI
COLLEGE OF ENGINEERING

CERTIFICATE

This is to certify that **GUPTA ADITYA SHATURGAN** of **Shree L. R. Tiwari College of Engineering** has successfully completed in **add on course on " Flutter "** held during **26th June to 1st July 2023,** organized by **Department of Computer Engineering, Shree L. R. Tiwari College of Engineering (SLRTCE).**

PRINCIPAL
Shree L. R. Tiwari College of Engineering
Kanakiya Park, Mira Road (E).

Ms.Neelam Phadnis
HOD, CS, SLRTCE

20

SHREE L. R. TIWARI COLLEGE OF ENGINEERING

Kanakia Park, Near Commissioner's Bungalow, Mira Road (East), Thane 401107, Maharashtra

(Approved by AICTE, Govt. of Maharashtra & Affiliated to University of Mumbai)

NAAC Accredited | I S O 9001:2015 Certified

Tel. No.: 022-28120144 / 022-28120145 | Email: slrtce@rahuleducation.com | Website: www.slrtce.in

CERTIFICATE

This is to certify that **Acharya Neel Ramesh** of **Shree L. R. Tiwari College of Engineering** has successfully completed Value Added/Add on/Bridge Course **(30 Hours) on "Fundamental and Application of Robotics Lab"** held during **18th August 2021 to 2nd September 2021,** organized by **e E-Yantra Robotics cell of Shree L. R. Tiwari College of Engineering (SLRTCE) in collaboration with Rahul Education Pvt. Ltd.**

PRINCIPAL
R Tiwari College of Engineering
Kakiya Park, Mira Road (E).

Mr. Sandeep Dwivedi

E-Yantra Incharge

Dr.Ram Reddy

Principal, SLRTCE

21

SHREE L. R. TIWARI
COLLEGE OF ENGINEERING

Approved by AICTE & DTE, Maharashtra State & Affiliated to University of Mumbai
NAAC Accredited, NBA Accredited Program, ISO 9001:2015 Certified| DTE Code No 3423
Minority Status (Hindi Linguistic)
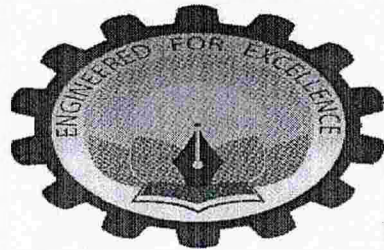
CERTIFICATE

This is to certify that **YADAV AAYUSH RAVINDRA NEELAM** of **Shree L. R. Tiwari College of Engineering** has successfully completed **add on course on " AWS Cloud"** held during **21st June 2022 to 25th June 2022,** organized by **Department of Computer Engineering, Shree L. R. Tiwari College of Engineering (SLRTCE) .**

P.R INCIPAL
Shree L. R.Tiwari College of Engineering
Kanakiya Park, Mira Road (E).

Ms.Neelam Phadnis
HOD, CS, SLRTCE

SHREE L. R. TIWARI
COLLEGE OF ENGINEERING

(Approved by AICTE & DTE, Maharashtra State & Affiliated to University of Mumbai)
NAAC Accredited, NBA Accredited Program, ISO 9001:2015 Certified | DTE Code No.: 3423
Minority Status (Hindi Linguistic)

CERTIFICATE

This is to certify that **SINGH MANISH ANAND** of Shree L. R. Tiwari College of Engineering has successfully completed Value Added/Addon/ Bridge Course (30 Hours) on " IOT-Internet of Things" held during 8th June 2022 to 12th July 2022, organized by Department of Electronics and Telecommunication Engineering ,Shree L. R. Tiwari College of Engineering (SLRTCE) .

Mr. Aditya Desai
Course Coordinator

PRINCIPAL
Shree L. R. Tiwari College of Engineering
Kanakiya Park, Mira Road (E).

Dr. Deven Shah
Principal, SLRTCE

23
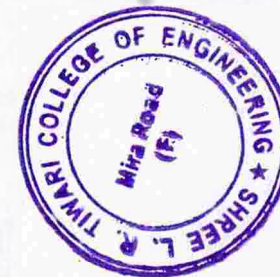
CCNAv7: Introduction to Networks

The student has successfully achieved student level credential for completing CCNAv7: Introduction to Networks course administered by the undersigned instructor. The student was able to proficiently:

- Configure switches and end devices to provide access to local and remote network resources.
- Explain how physical and data link layer protocols support the operation of Ethernet in a switched network.
- Configure routers to enable end-to-end connectivity between remote devices.

- Create IPv4 and IPv6 addressing schemes and verify network connectivity between devices
- Explain how the upper layers of the OSI model support network applications.
- Configure a small network with security best practices.
- Troubleshoot connectivity in a small network.

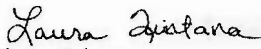**Asjad Nirban**

Student

Shree L. R. Tiwari College of Engineering

Academy Name

India

Location

24 Aug 2021

Date

Laura Quintana
Laura Quintana
VP & General Manager, Cisco Networking Academy

CISCO. Corporate Social Responsibility

Certificate of Course Completion

CCNAv7: Switching, Routing, and Wireless Essentials

The student has successfully achieved student level credential for completing CCNAv7: Switching, Routing, and Wireless Essentials course administered by the undersigned instructor. The student was able to proficiently:

- Configure VLANs and Inter-VLAN routing applying security best practices.
- Troubleshoot inter-VLAN routing on Layer 3 devices.
- Configure redundancy on a switched network using STP and EtherChannel.
- Troubleshoot EtherChannel on switched networks.

- Explain how to support available and reliable networks using dynamic addressing and first-hop redundancy protocols.
- Configure dynamic address allocation in IPv6 networks.
- Configure WLANs using a WLC and L2 security best practices.
- Configure switch security to mitigate LAN attacks.
- Configure IPv4 and IPv6 static routing on routers.

Asjad Nirban

Student

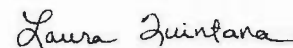**Shree L. R. Tiwari College of Engineering**

Academy Name

India

Location

29 Sep 2021

Date

Laura Quintana

Laura Quintana
VP & General Manager, Cisco Networking Academy

CCNAv7: Enterprise Networking, Security, and Automation

The student has successfully achieved student level credential for completing CCNAv7: Enterprise Networking, Security, and Automation course administered by the undersigned instructor. The student was able to proficiently:

- Configure single-area OSPFv2 in both point-to-point and multiaccess networks.
- Explain how to mitigate threats and enhance network security using access control lists and security best practices.
- Implement standard IPv4 ACLs to filter traffic and secure administrative access.
- Configure NAT services on the edge router to provide IPv4 address scalability.

- Explain techniques to provide address scalability and secure remote access for WANs.
- Explain how to optimize, monitor, and troubleshoot scalable network architectures.
- Explain how networking devices implement QoS.
- Implement protocols to manage the network.
- Explain how technologies such as virtualization, software defined networking, and automation affect evolving networks.

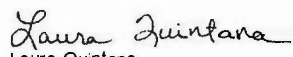**Asjad Nirban**

Student

Shree L. R. Tiwari College of Engineering

Academy Name

India

Location

8 Nov 2021

Date

Laura Quintana

Laura Quintana
VP & General Manager, Cisco Networking Academy

Shree Rahul Education Society's (Regd.)
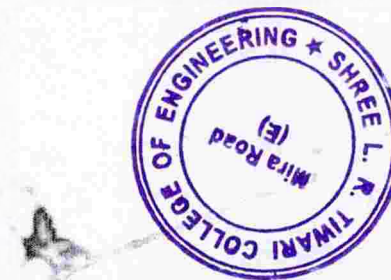
SHREE L. R. TIWARI
COLLEGE OF ENGINEERING

(Approved by AICTE & DTE, Maharashtra State & Affiliated to University of Mumbai)
NAAC Accredited, NBA Accredited Program, ISO 9001:2015 Certified|DTE Code No. 3423
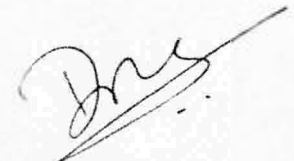Minority Status (Hindi Linguistic)

CERTIFICATE

This is to certify that **Mr./Ms. PANDEY SHIVANGINI** of **Shree L. R. Tiwari College of Engineering** has successfully completed **Add on Course (30 Hours) on " Drone Technologies"** held during **March 2022 to April 2022**, organized by **Department of Mechanical Engineering (MECH) of Shree L. R. Tiwari College of Engineering (SLRTCE).**

PRINCIPAL
Shree L. R. Tiwari College of Engineering
Kanakiya Park, Mira Road (E).

Mr. Atul Kumar Mishra
Course coordinator,MECH

Mr. Manish Rane
HOD,MECH, ,SLRTCE

Dr. Deven Shah
Principal, SLRTCE

SHREE L. R. TIWARI
COLLEGE OF ENGINEERING

(Approved by AICTE & DTE, Maharashtra State & Affiliated to University of Mumbai)
NAAC Accredited, NBA Accredited Program, ISO 9001:2015 Certified | DTE Code No - 3413
Minority Status (Hindi Linguistic)

CERTIFICATE

This is to certify that **SINGH AYUSH VINAY** of **Shree L. R. Tiwari College of Engineering** has successfully completed **add on course on " Python for Mechanical Engineering"** held during **27th June 2022 to 1st July 2022**, organized by **Department of Mechanical (MECH) Engineering, Shree L. R. Tiwari College of Engineering (SLRTCE) .**

P RINCIPAL
Shree L. R. Tiwari College of Engineering
Kanakiya Park, Mira Road (E).

Mr.Ninad Mahadeshwar
Course Coordinator, MECH

Mr. Manish Rane
HOD, MECH, SLRTCE

28

Duke
UNIVERSITY

COURSE CERTIFICATE

Dec 4, 2020

VAIBHAV SINGH

has successfully completed

Programming Foundations with JavaScript, HTML and CSS

an online non-credit course authorized by Duke University and offered through Coursera

EDUCATION FOR EVERYONE · **coursera** · COURSE CERTIFICATE

Susan H. Rodger, Professor of the Practice, Computer Science
Robert Duvall, Lecturer, Computer Science
Owen Astrachan, Professor of the Practice, Computer Science
Andrew D. Hilton, Assistant Professor of the Practice, Electrical and Computer Engineering

Verify at coursera.org/verify/N5R3NS5KS2L9

Coursera has confirmed the identity of this individual and their participation in the course.

29

Georgia Institute of Technology®

COURSE CERTIFICATE

07/10/2020

LSD Priyanka Peddinti

has successfully completed

Introduction to Electronics

an online non-credit course authorized by Georgia Institute of Technology and offered through Coursera

Professor Bonnie H. Ferri
School of Electrical and Computer Engineering
Goergia Institute of Technology

Dr. Allen Robinson
School of Electrical and Computer Engineering
Georgia Institute of Technology

EDUCATION FOR EVERYONE · COURSE CERTIFICATE · coursera

30

UC San Diego

HIGHER SCHOOL OF ECONOMICS
NATIONAL RESEARCH UNIVERSITY

COURSE CERTIFICATE

06/07/2020

SHIVANG SRIVASTAVA

has successfully completed

Algorithmic Toolbox

an online non-credit course authorized by University of California San Diego and National Research University Higher School of Economics and offered through Coursera

coursera

EDUCATION FOR EVERYONE · COURSE CERTIFICATE ·

Alexander S. Kulikov, Visiting Professor; Michael Levin, Associate Professor; Neil Rhodes, Adjunct Faculty; Pavel A. Pevzner, Ronald R. Taylor Distinguished Professor of Computer Science, Director, NIH Center for Computational Mass Spectrometry; Daniel M Kane, Assistant Professor, Computer Science and Engineering at the University of California, San Diego

deeplearning.ai

COURSE CERTIFICATE

06/07/2020

SHIVANG SRIVASTAVA

has successfully completed

Convolutional Neural Networks

an online non-credit course authorized by deeplearning.ai and offered through Coursera

Andrew Ng

Adjunct Professor Andrew Ng
Computer Science

EDUCATION FOR EVERYONE · COURSE CERTIFICATE · coursera

5 Courses

Neural Networks and Deep Learning

Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization

Structuring Machine Learning Projects

Convolutional Neural Networks

Sequence Models

deeplearning.ai

06/07/2020

SHIVANG SRIVASTAVA

has successfully completed the online, non-credit Specialization

Deep Learning

The Deep Learning Specialization is designed to prepare learners to participate in the development of cutting-edge AI technology, and to understand the capability, the challenges, and the consequences of the rise of deep learning. Through five interconnected courses, learners develop a profound knowledge of the hottest AI algorithms, mastering deep learning from its foundations (neural networks) to its industry applications (Computer Vision, Natural Language Processing, Speech Recognition, etc.).

Adjunct Professor
Andrew Ng
Computer Science

Verify this certificate at:
coursera.org/verify/specialization/DAVW3ZT33E5C

5 Courses

Technical Support Fundamentals

The Bits and Bytes of Computer Networking

Operating Systems and You: Becoming a Power User

System Administration and IT Infrastructure Services

IT Security: Defense against the digital dark arts

06/15/2020

SHIVANG SRIVASTAVA

has successfully completed the online, non-credit Professional Certificate

Google IT Support

Whether you've been tinkering with IT or are completely new to the field, you've come to the right place. This five-course certificate, developed by Googlers, includes industry-relevant curriculum designed to prepare you for an entry-level role in IT support. Think in-person or remote help desk work, either in small shops or at a global company, like Google!

Google

Google

34

Verify this certificate at:
coursera.org/verify/professional-cert/QY69RRB8VSZE

UNIVERSITY OF MICHIGAN

06/06/2020

SHIVANG SRIVASTAVA

has successfully completed

Introduction to Data Science in Python

an online non-credit course authorized by University of Michigan and offered through Coursera

EDUCATION FOR EVERYONE · COURSE CERTIFICATE ·

coursera

Christopher Brooks
Research Assistant Professor
School of Information

Verify at coursera.org/verify/ZSDRXN3GBJ6P

Coursera has confirmed the identity of this individual and their participation in the course.

Google

06/14/2020

SHIVANG SRIVASTAVA

has successfully completed

IT Security: Defense against the digital dark arts

an online non-credit course authorized by Google and offered through Coursera

Google

....

Google

Google

06/13/2020

SHIVANG SRIVASTAVA

has successfully completed

Operating Systems and You: Becoming a Power
User

an online non-credit course authorized by Google and offered through Coursera

Google

Google

EDUCATION FOR EVERYONE · COURSE CERTIFICATE ·

coursera

Verify at coursera.org/verify/JFH3EHLHE6MP

Coursera has confirmed the identity of this individual and
their participation in the course.

JOHNS HOPKINS
U N I V E R S I T Y

06/02/2020

SHIVANG SRIVASTAVA

has successfully completed

R Programming

an online non-credit course authorized by Johns Hopkins University and offered through Coursera

Jeff Leek, PhD; Roger Peng, PhD; Brian Caffo, PhD
Department of Biostatistics
Johns Hopkins Bloomberg School of Public Health

EDUCATION FOR EVERYONE · COURSE CERTIFICATE ·

coursera

Verify at coursera.org/verify/F69FSHRNE5CM
Coursera has confirmed the identity of this individual and their participation in the course.

38

deeplearning.ai

06/07/2020

SHIVANG SRIVASTAVA

has successfully completed

Sequence Models

an online non-credit course authorized by deeplearning.ai and offered through Coursera

Adjunct Professor Andrew Ng
Computer Science

EDUCATION FOR EVERYONE · coursera · COURSE CERTIFICATE

39

5 Courses

RUTGERS
Rutgers Business School
Newark and New Brunswick

Supply Chain Logistics

Supply Chain Operations

Supply Chain Planning

Supply Chain Sourcing

Supply Chain Management
Strategy

09/09/2020

Hussain Shabbir Motiwalla

has successfully completed the online, non-credit Specialization

Supply Chain Management

The Supply Chain Management Specialization focuses on the network of firms that are linked in today's global economy. This introductory specialization covers the tools, techniques and best practices employed by today's leading companies to succeed in the marketplace. The learner mastered the fundamentals in Logistics, Operations, Planning, and Sourcing, followed by a capstone course in Supply Chain Management Strategy.

Rudolf Leuschner

Rudolf Leuschner, Ph.D.
Assistant Professor
Department of Supply
Chain Management
Rutgers Business School
Rutgers University

Verify this certificate at:
coursera.org/verify/specialization/FJEGCNA9V2MR

5 Courses

UNIVERSITY OF MICHIGAN

Programming for Everybody (Getting Started with Python)

Python Data Structures

Using Python to Access Web Data

Using Databases with Python

Capstone: Retrieving, Processing, and Visualizing Data with Python

06/22/2020

Hussain Shabbir Motiwalla

has successfully completed the online, non-credit Specialization

Python for Everybody

This Specialization builds on the success of the Python for Everybody course and will introduce fundamental programming concepts including data structures, networked application program interfaces, and databases, using the Python programming language. In the Capstone Project, you'll use the technologies learned throughout the Specialization to design and create your own applications for data retrieval, processing, and visualization.

Charles Severance
Clinical Associate
Professor, School of
Information
University of Michigan

Verify this certificate at:
coursera.org/verify/specialization/KVL5MJ8ASMVN

41

भारतीय सुदूर संवेदन संस्थान/ **INDIAN INSTITUTE OF REMOTE SENSING**
भारतीय अंतरिक्ष अनुसंधान संगठन/ **INDIAN SPACE RESEARCH ORGANISATION**
अंतरिक्ष विभाग, भारत सरकार/ **DEPARTMENT OF SPACE, GOVERNMENT OF INDIA**

नामांकन सं॰/ **Enrollment No.** : 2020600177504

ऑनलाइन दूरस्थ अधिगम प्रमाण पत्र
ONLINE DISTANCE LEARNING CERTIFICATE
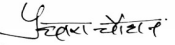
पाठ्यक्रम प्रमाणपत्र/ COURSE COMPLETION CERTIFICATE

यह प्रमाणित किया जाता है कि **श्री चिंतन सुनील जंगम** को यह प्रमाण पत्र " **पारिस्थितिकी अध्ययन में भू-सूचना विज्ञान के अनुप्रयोग** " में ऑनलाइन पाठ्यक्रम पूर्ण करने पर प्रदान किया जाता है। इस पाठ्यक्रम का आयोजन भारतीय सुदूर संवेदन संस्थान (आईआईआरएस) द्वारा 13 जुलाई, 2020 से 24 जुलाई, 2020 के दौरान किया गया । प्रतिभागी ने आईआईआरएस आउटरीच नेटवर्क सेंटर, **श्री एल आर तिवारी कॉलेज ऑफ इंजिनीरिंग** से इस पाठ्यक्रम में भाग लिया है ।

This is to certify that **MR. CHINTAN SUNIL JANGAM** has been awarded this certificate on having completed the online course on **"Application of Geoinformatics in Ecological Studies"**. The course was conducted by Indian Institute of Remote Sensing (IIRS), during 13-07-2020 to 24-07-2020 . The participant has attended the course at IIRS outreach network centre, **Shree L R Tiwari College of Engineering**.

Date: 10-09-2020
Dehradun

समन्वयक, विश्वविद्यालय/ संस्थान
Coordinator, University/ Institution

निदेशक/ Director,
आई॰आई॰आर॰एस, देहरादून/IIRS, Dehradun

UID- 2f8a339b8f20000f4bd1dd785d0abff6 .This Certificate can be validated using URL- https://certificate.iirs.gov.in

42

UNIVERSITY OF MICHIGAN

COURSE CERTIFICATE

06/29/2020

Praveen OmPrakash Vishwakarma

has successfully completed

Introduction to Data Science in Python

an online non-credit course authorized by University of Michigan and offered through Coursera

Christopher Brooks
Research Assistant Professor
School of Information

EDUCATION FOR EVERYONE
coursera
COURSE CERTIFICATE

Verify at coursera.org/verify/X4T6EA4FFYBM

Coursera has confirmed the identity of this individual and their participation in the course.

UC San Diego

Oct 12, 2020

Jash Nimje

has successfully completed

Object Oriented Programming in Java

an online non-credit course authorized by University of California San Diego and offered through Coursera

Christine Alvarado, Mia Minnes, Leo Porter

EDUCATION FOR EVERYONE · coursera · COURSE CERTIFICATE

Verify at coursera.org/verify/Q2CYFPZBA6WY

Coursera has confirmed the identity of this individual and their participation in the course.

JOHNS HOPKINS
UNIVERSITY

COURSE CERTIFICATE

Nov 2, 2020

Aditya Rajendra Singh

has successfully completed

HTML, CSS, and Javascript for Web Developers

an online non-credit course authorized by Johns Hopkins University and offered through Coursera

Yaakov C.

Yaakov Chaikin
Adjunct Professor, Graduate Computer Science
Whiting School of Engineering
Johns Hopkins University

EDUCATION FOR EVERYONE · coursera · COURSE CERTIFICATE

45

4 Courses

Python Programming
Essentials

Python Data
Representations

Python Data Analysis

Python Data Visualization

Jun 30, 2020

Roshan Ranjeet Verma

has successfully completed the online, non-credit Specialization

Introduction to Scripting in Python

This specialization is intended for beginners who intend to master essential programming skills. Through four courses, you will cover key Python programming concepts which will prepare you to use Python to perform common scripting tasks. This will provide a solid foundation for future careers in data science, software engineering, or other careers involving programming.

Joe Warren
Professor
Dept. of Computer
Science
Rice University

Scott Rixner
Professor
Dept. of Computer
Science
Rice University

Verify this certificate at:
coursera.org/verify/specialization/BWKRQ8W8F6DG

University of Colorado

Boulder | Colorado Springs | Denver | Anschutz Medical Campus

COURSE CERTIFICATE

07/23/2020

NANCY SUBHASH JAISWAL

has successfully completed

Database Management Essentials

an online non-credit course authorized by University of Colorado System and offered through Coursera

Professor Michael Mannino
Information Systems Program
Business School
University of Colorado Denver

EDUCATION FOR EVERYONE · COURSE CERTIFICATE ·

coursera

COURSE CERTIFICATE

07/14/2020

Ritika Shukla

has successfully completed

Building Web Applications in PHP

an online non-credit course authorized by University of Michigan and offered through Coursera

Charles Severance
Clinical Professor, School of Information
University of Michigan

Verify at coursera.org/verify/5HZPY45G2G43
Coursera has confirmed the identity of this individual and
their participation in the course.

Duke UNIVERSITY

5 Courses

Programming Foundations with JavaScript, HTML and CSS

Java Programming: Solving Problems with Software

Java Programming: Arrays, Lists, and Structured Data

Java Programming: Principles of Software Design

Java Programming: Build a Recommendation System

19.09.2020

Jash Nimje

has successfully completed the online, non-credit Specialization

Java Programming and Software Engineering Fundamentals

This Specialization covers the fundamentals of software development, focusing on a beginner-level introduction to rigorous problem-solving approaches while still embracing and extending traditional methods of computer science and software engineering. You'll explore foundational concepts such as algorithm development, data representation, and debugging, using common tools such as HTML/CSS, Javascript, and Java. In the final Capstone Project, you'll apply the skills you learned by creating a working recommender system that can help users find and choose items, such as films, books, or restaurants. Google has contributed real-world projects and the involvement of its engineers as guest lecturers to these courses.

Andrew D. Hilton
Associate Professor of the Practice
Electrical and Computer Engineering

Robert Duvall
Lecturer
Computer Science

Susan H. Rodger
Professor of the Practice
Computer Science

Owen Astrachan
Professor of the Practice
Computer Science

Verify this certificate at:
coursera.org/verify/specialization/XCQPA9P6HWU8

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SHREE L. R. TIWARI COLLEGE OF ENGINEERING

CERTIFICATE

This is to certify that **VISHWAKARMA ADARSH MANOJ RENU** of **Shree L. R. Tiwari College of Engineering** has successfully Completed value added /bridge / training course /workshop **(30 Hours) on" A complete report writing workshop using LaTex software"** held during **26th May 2020 to 29th May 2020,** organized by **Department of Electronics and Telecommunications Engineering (EXTC), Shree L. R. Tiwari College of Engineering (SLRTCE).**

PRINCIPAL
Shree L. R. Tiwari College of Engineering
KanakiyaPark, Mira Road(E).

Mrs. Aboli Moharil
HOD, EXTC SLRTCE

Dr. S Ram Reddy
Principal, SLRTCE

50

CERTIFICATE

This is to certify that **YADAV BRIJESH KUMAR RAMAKANT** of **Shree L. R. Tiwari College of Engineering** has successfully participated in bridge / training course **(30 Hours) on " Value Education on Self Development"** held during **January 2020 to April 2020,** organized by **Department of Information Technology, Shree L. R. Tiwari College of Engineering (SLRTCE).**

PRINCIPAL
Shree L. R. Tiwari College of Engineering
Kanakiya Park, Mira Road (E).

Dr. S Ram Reddy
Principal, SLRTCE

SHREE L. R. TIWARI COLLEGE OF ENGINEERING

Kanakia Park, Near Commissioner's Bungalow, Mira Road (East), Thane 401107, Maharashtra

(Approved by AICTE, Govt. of Maharashtra & Affiliated to University of Mumbai)

NAAC Accredited | ISO 9001:2015 Certified

Tel. No.: 022-28120144 / 022-28120145 | E.mail: slrtce@rahuleducation.com | Website: www.slrtce.in

CERTIFICATE

This is to certify that **Chintan Chauhan** of **Shree L. R. Tiwari College of Engineering** has successfully Completed value added /bridge / training course **(30 Hours) on " Personality Development: Self-Discovery Intensive"** held during **10th January 2020 to 17th April 2020,** organized by **Department of Mechanical Engineering (MECH), Shree L. R. Tiwari College of Engineering (SLRTCE).**

PRINCIPAL
Shree L. R. Tiwari College of Engineering
Kanakiya Park, Mira Road (E).

Mr. Dhiraj Singh
Departmental Course Coordinator
M E C H , SLRTCE

Dr. S Ram Reddy
Principal, SLRTCE

SHREE L. R. TIWARI COLLEGE OF ENGINEERING

Kanakia Park, Near Commissioner's Bungalow, Mira Road (East), Thane 401107, Maharashtra

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NAAC Accredited | ISO 9001:2015 Certified

Tel. No.: 022-28120144 / 022-28120145 | E mail: slrtce@rahuleducation.com | Website: www.slrtce.in

CERTIFICATE

This is to certify that **AWATRAMANI SAURAV TULSI** of **Shree L. R. Tiwari College of Engineering** has successfully completed bridge / training course **(30 Hours) on " SOLIDWORKS AND ANSYS"** held during **9th July to 24th september 2019,** organized by **Department of Mechanical Engineering, Shree L. R. Tiwari College of Engineering (SLRTCE).**

PRINCIPAL
Shree L. R. Tiwari College of Engineering
Kanakiya Park, Mira Road (E).

Mr. Dhiraj Singh
Departmental Audit Course
Coordinator

Dr. S Ram Reddy
Principal, SLRTCE

SHREE L. R. TIWARI COLLEGE OF ENGINEERING

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Tel. No.: 022-28120144 / 022-28120145 | Email: slrtce@rahuleducation.com | Website: www.slrtce.in

CERTIFICATE

This is to certify that **SINGH UTSAV RAMESH** of **Shree L. R. Tiwari College of Engineering** has successfully completed **Value Education Programme (30 Hours) on" Integrity Engineering: Nurturing Values in Technology"** held during **10th January to 13th March 2020,** organized by **Department of Computer Engineering, Shree L. R. Tiwari College of Engineering (SLRTCE).**

PRINCIPAL
Shree L. R. Tiwari College of Engineering
Kanakiya Park, Mira Road(E).

Mr. Pravin Jangid
Audit Course Coordinator

Dr. S Ram Reddy
Principal, SLRTCE

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CERTIFICATE

This is to certify that **MISHRA MANISHKUMAR SATYAPRAKASH** of **Shree L. R. Tiwari College of Engineering** has successfully completed Value Added Course **(30 Hours) on " Essentials of Dharma: Mindful Decision-Making"** held during **July 2019 to October 2019,** organized by **Department of Mechanical Engineering (MECH), Shree L. R. Tiwari College of Engineering (SLRTCE).**
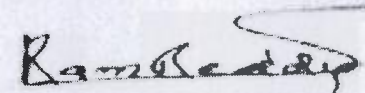
PRINCIPAL
Shree L. R. Tiwari College of Engineering
Kanakiya Park, Mira Road (E).

Mr. Dhiraj Singh
Departmental Course Coordinator
MECH, SLRTCE

Dr. S Ram Reddy
Principal, SLRTCE

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SHREE L. R. TIWARI COLLEGE OF ENGINEERING

CERTIFICATE

This is to certify that **ANSARI RUMAISA VASEEM AHMED BISMA** of **Shree L. R. Tiwari College of Engineering** has successfully participated in Value Added Course **(30 Hours) "Value Education for Mind Control: Brainpower Enhancement"** held during **16th July 2019 To 9th October 2019,** organized by **Department of Electronics and Telecommunications of Shree L. R. Tiwari College of Engineering (SLRTCE).**

Mrs. Namrata Kulkarni

Dptm ent **Audit Course Coordinator**

Ram Reddy

Principal, SLRTCE

PRINCIPAL
Shree L. R. Tiwari College of Engineering
Mira Road (E).

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SHREE L. R. TIWARI COLLEGE OF ENGINEERING

Kanakia Park, Near Commissioner's Bungalow, Mira Road (East), Thane 401107, Maharashtra

(Approved by AICTE, Govt. of Maharashtra & Affiliated to University of Mumbai)

Tel. No.: 022-65295732 | 022-65142376 | Email: slrtce@rahuleducation.com | Website: www.slrtce.in
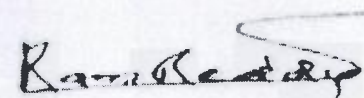
CERTIFICATE

This is to certify that **SHARMA RAVIRANJAN SANJAY** of **Shree L. R. Tiwari College of Engineering** has successfully participated bridge / training course **(30 Hours) on " Robotics"** held during **9th April to 11th April 2019**, organized by **Department of Mechanical Engineering, Shree L. R. Tiwari College of Engineering (SLRTCE).**

Mr. Pravin Jangid
Audit Course Coordinator

Dr. S Ram Reddy
Principal, SLRTCE

PRINCIPAL
Shree L. R. Tiwari College of Engineering
Kanakiya Park, Mira Road (E).

SHREE L. R. TIWARI COLLEGE OF ENGINEERING

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Tel. No.: 022-65295732 022-65142376 | Email: slrtce@rahuleducation.com | Website: www.slrtce.in

CERTIFICATE

This is to certify that **Raut Krunal Subhash** of **Shree L. R. Tiwari College of Engineering** has successfully participated Value Added Course **(30 Hours) " Ethics in Engineering & Value Education: AURA"** held during **9th January** to **17th March 2019,** organized by **Department of Electronics Engineering, Shree L. R. Tiwari College of Engineering (SLRTCE)** .

Ms.Rohini Rathod
Course Coordinator, ETRX

Ms. Manjiri Gogate
HOD, ETRX, SLRTCE

Dr. S Ram Reddy
Principal, SLRTCE

PRINCIPAL
Shree L. R. Tiwari College of Engineering
Kanakiya Park, Mira Road (E).

Shree Rahul Education Society's (Regd.)

SHREE L. R. TIWARI COLLEGE OF ENGINEERING

Kanakia Park, Near Commissioner's Bungalow, Mira Road (East), Thane 401107, Maharashtra

(Approved by AICTE, Govt. of Maharashtra & Affiliated to University of Mumbai)

Tel. No.: 022-65295732 / 022-65142376 | Email: slrtce@rahuleducation.com | Website: www.slrtce.in

CERTIFICATE

This is to certify that **Desai Omkar Shrikant Shraddha** of **Shree L. R. Tiwari College of Engineering** has successfully participated Value Added Course **(30 Hours) " Dharma -A Life of Integration"** held during **19th January 2019** to **20th April 2019**, organized by **Department of Electronics Engineering, Shree L. R. Tiwari College of Engineering (SLRTCE)** .

Ms.Rohini Rathod
Course Coordinator, ETRX

Ms. Manjiri Gogate
HOD, ETRX, SLRTCE

Dr. S Ram Reddy
Principal, SLRTCE

PRINCIPAL
Shree L. R. Tiwari College of Engineering
Kanakiya Park, Mira Road (E).

SHREE L. R. TIWARI COLLEGE OF ENGINEERING

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Tel. No.: 022-65295732 / 022-65142376 | Email: slrtce@rahuleducation.com | Website: www.slrtce.in

CERTIFICATE

This is to certify that **KALBURGI RIYA VINOD MAYA** of **Shree L. R. Tiwari College of Engineering** has successfully participated Value Added Course **(30 Hours)** " **Basic Programming Using Python**" held during **18th March to 20th March 2019,** organized by **Department of Computer Engineering, Shree L. R. Tiwari College of Engineering (SLRTCE)** in collaboration with **FOSSEE, IITB.**

Mr. Pravin Jangid
Audit Course Coordinator

PRINCIPAL
Shree L. R. Tiwari College of Engineering
Kanakiya Park, Mira Road (E).

Dr. Vinayak Shinde
HOD, CS, SLRTCE

Dr. S Ram Reddy
Principal, SLRTCE

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Shree Rahul Education Society's (Regd.)

SHREE L. R. TIWARI COLLEGE OF ENGINEERING

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Tel. No.: 022-65295732 / 022-65142376 | Email: slrtce@rahuleducation.com | Website: www.slrtce.in

CERTIFICATE

This is to certify that **GUPTA KARAN OMPRAKASH** of **Shree L. R. Tiwari College of Engineering** has successfully participated in **Bridge Course (30 Hours) on" Ethics in Engineering and Value Education"** held during **January to April 2019,** organized by **Department of Computer Engineering, Shree L. R. Tiwari College of Engineering (SLRTCE).**

Mr. Pravin Jangid
Audit Course Coordinator

Dr. Vinayak Shinde
HOD, CS, SLRTCE

Dr. S Ram Reddy
Principal, SLRTCE

PRINCIPAL
Shree L. R. Tiwari College of Engineering
Kanakiya Park, Mira Road (E).

SHREE L. R. TIWARI COLLEGE OF ENGINEERING

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Tel. No.: 022-65295732 / 022-65142376 | Email: slrtce@rahuleducation.com | Website: www.slrtce.in

CERTIFICATE

This is to certify that **CHOUDHARY SHUBHAM SUSHILKUMAR PRATIKSHA** of **Shree L. R. Tiwari College of Engineering** has successfully participated in **Bridge Course (30 Hours) on" Human Rights"** held during **January to April 2019,** organized by **Department of Information Technology, Shree L. R. Tiwari College of Engineering (SLRTCE).**

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Mr. Pravin Jangid
Audit Course Coordinator

Dr. S Ram Reddy
Principal, SLRTCE

PRINCIPAL
Shree L. R. Tiwari College of Engineering
Kanakiya Park, Mira Road (E).

Shree Rahul Education Society's (Regd.)
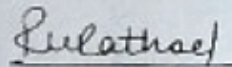
SHREE L. R. TIWARI COLLEGE OF ENGINEERING

Kanakia Park, Near Commissioner's Bungalow, Mira Road (East), Thane 401107, Maharashtra

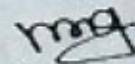(Approved by AICTE, Govt. of Maharashtra & Affiliated to University of Mumbai)

Tel. No.: 022-65205732 / 022-65142376   Email: slrtce@rahuleducation.com | Website: www.slrtce.in

CERTIFICATE

This is to certify that **GUPTA MANGESH MAHESHPRASAD** of **Shree L. R. Tiwari College of Engineering** has successfully completed value added course **(30 Hours)** on " **Environmental Impact Assessment**" held during 20th **January 2019** to 31st **March 2019**, organized by **Department of Civil Engineering, Shree L. R. Tiwari College of Engineering (SLRTCE).**
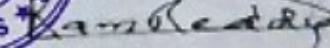
Mr. Pravin Jangid
Audit Course Coordinator

PRINCIPAL
Shree L. R. Tiwari College of Engineering
Kanakiya Park, Mira Road (E).

Dr. S Ram Reddy
Principal, SLRTCE

SHREE L. R. TIWARI COLLEGE OF ENGINEERING

Kanakia Park, Near Commissioner's Bungalow, Mira Road (East), Thane 401107, Maharashtra

(Approved by AICTE, Govt. of Maharashtra & Affiliated to University of Mumbai)

Tel. No.: 022-65295732 / 022-65142376 | Email: slrtce@rahuleducation.com | Website: www.slrtce.in

CERTIFICATE

This is to certify that **GOHEL JEEMITKUMAR YOGESH ARUNA** of **Shree L. R. Tiwari College of Engineering** has successfully completed value added course **(30 Hours)** on " **Soft Skill Development** " held during **12th July 2018** to **24th November 2018**, organized by **Department of Civil Engineering, Shree L. R. Tiwari College of Engineering (SLRTCE).**

Mr. Pravin Jangid
Audit Course Coordinator

PRINCIPAL
Shree L. R. Tiwari College of Engineering
Kanakiya Park, Mira Road (E).

Dr. S Ram Reddy
Principal, SLRTCE

SHREE L. R. TIWARI COLLEGE OF ENGINEERING

CERTIFICATE
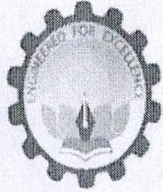
This is to certify that **Prakash Chowdhary** of Shree L. R. Tiwari College of Engineering has successfully participated Value Added Course (30 Hours) " IOT-Internet of Thing workshop certified by Microsoft " held during 5th, 9th and 10th October 2018, organized by Shree L. R. Tiwari College of Engineering (SLRTCE) .

Mr. Pravin Jangid
Audit Course Coordinator

PRINCIPAL
Shree L. R. Tiwari College of Engineering
Kanakiya Park, Mira Road (E).

Dr. S Ram Reddy
Principal, SLRTCE

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SHREE L. R. TIWARI COLLEGE OF ENGINEERING

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CERTIFICATE

This is to certify that **JAISWAL SHASHANK RAJKAMAL** of **Shree L. R. Tiwari College of Engineering** has successfully participated in **Bridge Course (30 Hours) on" Panchkosh"** held during **19th January to 30th March 2019,** organized by **Department of Computer Engineering, Shree L. R. Tiwari College of Engineering (SLRTCE).**

Mr. Pravin Jangid
Audit Course Coordinator

Dr. Vinayak Shinde
HOD, CS, SLRTCE

Dr. S Ram Reddy
Principal, SLRTCE

PRINCIPAL
Shree L. R. Tiwari College of Engineering
Kanakiya Park, Mira Road (E).

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Tel. No.: 022-65295732 / 022-65142376 | Email: slrtce@rahuleducation.com | Website: www.slrtce.in

CERTIFICATE
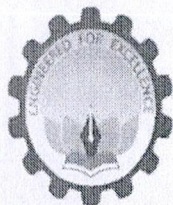
This is to certify that **BHASKAR RIYA RAJU CHHAYA** of **Shree L. R. Tiwari College of Engineering** has successfully participated in Value Added Course **(30 Hours) "Value Education and Mind Control"** held during **17th January 2019 to 18th April 2019**, organized by **Department of Electronics and Telecommunications of Shree L. R. Tiwari College of Engineering (SLRTCE) .**

Mr. Pravin Jangid

Audit Course Coordinator

PRINCIPAL

Shree L. R. Tiwari College of Engineering
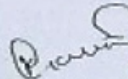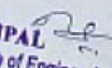Kanakiya Park, Mira Road (E).

Dr. S Ram Reddy

Principal, SLRTCE

SHREE L. R. TIWARI COLLEGE OF ENGINEERING

Kanakia Park, Near Commissioner's Bungalow, Mira Road (East), Thane 401107, Maharashtra

(Approved by AICTE, Govt. of Maharashtra & Affiliated to University of Mumbai)

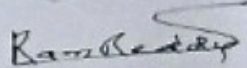Tel. No.: 022-65295732 / 022-65142376 | Email: slrtce@rahuleducation.com | Website: www.slrtce.in

CERTIFICATE

This is to certify that **CHAUDHARY SAHIL RAJKUMAR** of **Shree L. R. Tiwari College of Engineering** has successfully participated in bridge / training course **(30 Hours) on " Personality Development"** held during **12th July 2018 to 18th October 2018**, organized by **Department of Mechanical Engineering, Shree L. R. Tiwari College of Engineering (SLRTCE).**

Mr. Pravin Jangid
Audit Course Coordinator

PRINCIPAL
Shree L. R. Tiwari College of Engineering
Kanakiya Park, Mira Road (E).

Dr. S Ram Reddy
Principal, SLRTCE

SHREE L. R. TIWARI COLLEGE OF ENGINEERING
Mira Road
(F)

68
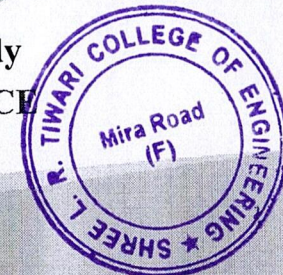
SHREE L. R. TIWARI
COLLEGE OF ENGINEERING

(Approved by AICTE & DTE, Maharashtra State & Affiliated to University of Mumbai)
NAAC Accredited, NBA Accredited Program, ISO 9001:2015 Certified | DTE Code No. : 3423
Minority Status (Hindi Linguistic)

Ref. No.: SLRTCE/4627A/2022-23   Date : 09/05/2022

To,
Associate Dean
Faculty of Science and Technology
University of Mumbai

Subject: Approval for Conduction of Certificate /Value added/Add-on course Courses as a
content beyond syllabus

I am writing formally to seek the approval for conduction of Certificate /Value added/Add-on
course for the academic year 2022 -2023. As an affiliated institution, the programmes are bound
to follow the curriculum set by the university. It is necessary to identify the curricular gaps and
take measures to bridge it by supplementing the courses with content beyond syllabus.

After careful consideration and evaluation, the content of syllabus of existing subjects, we have
designed courses for content beyond syllabus. The content beyond syllabus course in conducted
through Certificate /Value added/Add-on Courses. The syllabus for Certificate /Value
added/Add-on Courses are self -designed by institution to capture industry requirement which
are not covered through our regular subject.

Sr. No	Name of Certificate /Value added/Add-on Courses	Department
1	Structural and Architectural Aspects in Civil Engineering	Civil Engineering
2	AWS Cloud	Computer Engineering
3	Advanced Python for Mechanical Engineering	Mechanical Engineering
4	Advanced Cybersecurity Malware Analysis	Computer Engineering
5	Digital VLSI Design	Electronics and Computer Science
6	Product Design and Development	Electronics and Computer Science
7	5 G Communication	Electronics and Telecommunication
8	Environmental Ethics	Computer Engineering
9	Game Asset Development using Blender	Information Technology
10	Machine Learning	Information Technology
11	Flutter	Computer Engineering

These courses are aligned with graduate attributes which helps to achieve program outcomes
(POs) and to provide high-quality education and empower students with skills and knowledge
relevant to their fields of interest. We believe that the Certificate/Add-on Program will serve as

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NAACAccredited, NBA Accredited Program, ISO 9001:2015 Certified | DTE Code No. : 3423
Minority Status (Hindi Linguistic)

Ref.No. : SLRTCE, L4627A/2022-23   Date: 09/05/2022

a valuable addition to our educational offerings and will contribute to the academic and
professional development of our students. Furthermore, we are confident that the dedicated
faculty and staff involved in the planning and execution of this program will ensure its success
and uphold our standards of excellence.

Dr. Deven Shah
Principal
Shree. L. R. Tiwari College of Engineering
Mira Road East -401107
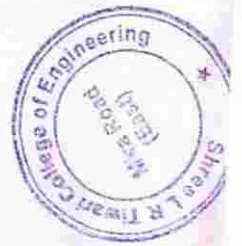
PRINCIPAL
Shree L. R. Tiwari College of Engineering
Kanakiya Park, Mira Road (E).

6491

Shree L. R. Tiwari Educational Campus, Mira Road (East), Th a ne- 401 107, Maharashtra.
Phones : 022-2812 0144/45/43 E-mail : slrtce@rahuleducation.com Website : www.slrtce.i n

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Dr Suresh K. Ukarande
Associate Dean
Faculty of Science &
Technology
University of Mumbai

Tel No (O)   : 02148-320524
(M)   :9820555761
Email: ukarande@yahoo.com

:deanfotuom@gmail.com

"University with Potential for Excellence"

Date: 27th May, 2022

To,
The Principal,
Shree. L. R Tiwari College of Engineering
Mira Road East 401107

Subject: Approval Granted for Certificate / Value-added / Add-on Courses
Dear Sir,
With reference to your letter dated on 09/05/2022, this is to notify you that the respective
Board of Studies grants approval for content beyond syllabus courses proposed at
SLRTCE.
Following content beyond courses are approved for Academic Year 2022-2023.

Sr. No	Name of Certificate /Value added/Add-on Courses	Department
1	Structural and Architectural Aspects in Civil Engineering	Civil Engineering
2	AWS Cloud	Computer Engineering
3	Advanced Python for Mechanical Engineering	Mechanical Engineering
4	Advanced Cybersecurity Malware Analysis	Computer Engineering
5	Digital VLSI Design	Electronics and Computer Science
6	Product Design and Development	Electronics and Computer Science
7	5 G Communication	Electronics and Telecommunication
8	Environmental Ethics	Computer Engineering
9	Game Asset Development using Blender	Information Technology
10	Machine Learning	Information Technology
11	Flutter	Computer Engineering

Associate Dean
Faculty of Science and Technology
University of Mumbai

PRINCIPAL
Shree L. R. Tiwari College of Engi
Kanakiya Park, Mira Road (

71

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Affiliated to University of Mumbai) NAAC Accredited
ISO 9001: 2015 Certified • DTE Code No. 3423

Ref.No. : SLR-TCE/2020-21/A3885

Date: 03/05/2021

To,
Associate Dean
Faculty of Science and Technology
University of Mumbai

Subject: Permission for Offering Certificate/Value-Added/Add-On Courses as a content beyond Syllabus

I am formally requesting permission to conduct a Certificate, Value-Added, or Add-On course for the 2021–2022 academic year. Since the institution is affiliated to University of Mumbai, the programs must adhere to the university's curriculum. Finding gaps in the curriculum and filling it in by adding content beyond what is included in the syllabus are vital.

We designed courses with content beyond the curriculum after carefully reviewing and analysing the existing disciplines syllabuses. Certificate courses/value-added courses/add-on courses covering subject beyond the syllabus are offered. The curriculum for Certificate/Value-Added/Add-On courses is created by our institution itself to meet industry demands that are not addressed in our regular courses.

Sr. No	Name of Certificate /Value added/Add-on Courses
1	Fundamental and Application of Robotics Lab
2	AWS Cloud
3	Internet of Things
4	Add on course "Drone Technologies"
5	Python for Mechanical Engineering
6	Fundamental and Application of Robotics Lab
7	AWS Cloud
8	Internet of Things

These courses are aligned with graduate attributes which helps to achieve program outcomes (POs) and to provide high-quality education and empower students with skills and knowledge relevant to their fields of interest.

Principal
Shree. L. R. Tiwari College of Engineering
Mira Road East -401107

PRINCIPAL
Shree L. R. Tiwari College of Engineering
Kanakiya Park, Mira Road (E).

Shree L. R. Tiwari Educational Campus, Mira Road (East), Thane - 401 107, Maharashtra.
Phones : 022-2812 0144 / 45 / 42 E-mail : slrtce@rahuleducation.com Website : www.slrtce.in

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Dr Suresh K. Ukarande
Associate Dean
Faculty of Science &
Technology
University of Mumbai

Tel No (O)   : 02148-320524
    (M)   : 9820555761
Email: ukarande@yahoo.com

:deanfotuom@gmail.com

"University with Potential for Excellence"

Date: 28 th May 2021

To,
The Principal,
Shree. L. R Tiwari College of Engineering
Mira Road East 401107

Subject: Approval Granted for Certificate / Value-added / Add-on Courses

Dear Sir,

This is to inform you that the respective Board of Studies has approved content beyond the syllabus courses, with reference to your letter dated 03/05/2021.
For the academic year 2021-2022, the following content beyond courses is approved at SLRTCE.

Sr. No	Name of Certificate /Value added/Add-on Courses
1	Fundamental and Application of Robotics Lab
2	AWS Cloud
3	Internet of Things
4	Add on course "Drone Technologies"
5	Python for Mechanical Engineering
6	Fundamental and Application of Robotics Lab
7	AWS Cloud
8	Internet of Things

Associate Dean
Faculty of Science and Technology
University of Mumbai

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Shree L. R. Tiwari College of Engineering
Kanakiya Park, Mira Road (E).

Ref. No.: SLRTCE/A2686/2018-19   Date: 06/05/2019

To,
Associate Dean
Faculty of Science and Technology
University of Mumbai

Subject: Approval for Offering Value-Added Courses as a Content Beyond Syllabus

For the academic year 2019–2020, I formally request permission for offering a Certificate, Value-Added courses. The programs must follow the University of Mumbai's curriculum because the institution is associated with it. It is essential to identify any gaps in the curriculum and provide content beyond what is provided in the syllabus.

We meticulously examined and analysed the current discipline syllabuses before designing courses with content outside the curriculum. There are value-added courses that address topics outside of the syllabus provided. Our institution develops the curriculum for Value-Added courses in order to fulfil industry requests that are not covered in our regular courses.

Sr. No	Name of Value-added Courses
1	A complete report writing workshop using LaTex software
2	Value education on Self Development
3	Personality Development: Self-Discovery Intensive
4	Solid Works and Ansys
5	Integrity Engineering: Nurturing Values in Technology
6	Essentials of Dharma: Mindful Decision-Making
7	Value Education for Mind Control: Brainpower Enhancement

These courses are aligned with graduate attributes which helps to achieve program outcomes (POs) and to provide high-quality education and empower students with skills and knowledge relevant to their fields of interest.

Principal
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Mira Road East -401107

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University of Mumbai

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Date: 24/05/2019

To,
The Principal,
Shree. L. R Tiwari College of Engineering
Mira Road East 401107

Subject: Approval Granted for Certificate/ Value-added/ Add-on Courses

Dear Sir,
This is to inform you that the respective Board of Studies has approved content beyond the syllabus courses, with reference to your letter dated 06/05/2019.
For the academic year 2019-2020, the following content beyond courses is approved at SLRTCE.

Sr. No	Name of Value-added Courses
1	A complete report writing workshop using LaTex software
2	Value education on Self Development
3	Personality Development: Self-Discovery Intensive
4	Solid Works and Ansys
5	Integrity Engineering: Nurturing Values in Technology
6	Essentials of Dharma: Mindful Decision-Making
7	Value Education for Mind Control: Brainpower Enhancement

Associate Dean
Faculty of Science and Technology
University of Mumbai

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Ref. No.: SLRTCE\2018-19\A-3060

Date: 07/05/2018

To,
Associate Dean
Faculty of Science and Technology
University of Mumbai

Subject: Content Beyond Syllabus and Approval for the same

I formally request permission to offer a Certificate in Value-Added courses for the 2018–2019 academic year. Because the college is affiliated with the University of Mumbai, the programs must adhere to its curriculum. Finding any curricular gaps and adding content beyond the syllabus requirements are crucial.

Sr. No	Name of Value-Added Courses
1	Robotics
2	Ethics in engineering & value education: AURA
3	Dharma-A Life of Integration
4	Basic Programming Using Python
5	Ethics in engineering and value education
6	Human Rights
7	Environmental Impact Assessment
8	Soft Skill Development
9	Internet of Things
10	Panchkosh
11	Value added education on mind control
12	Personality Development

These courses are designed to provide high-quality education and empower students with skills and knowledge relevant to their fields of interest.

Principal
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Faculty of Science &
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University of Mumbai

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(M)   :9820555761
Email: ukarande@yahoo.com

:deanfotuom@gmail.com

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Date: 25ᵗʰ May 2018

To,
The Principal,
Shree. L. R Tiwari College of Engineering
Mira Road East 401107

Subject: Approval Granted for Value-added Courses

Dear Sir,
This is to inform you that the respective Board of Studies has approved content beyond the syllabus courses, with reference to your letter dated 07/05/2018.
For the academic year 2018-2019, the following content beyond courses is approved.

Sr. No	Name of Value-added Courses
1	Robotics
2	Ethics in engineering & value education: AURA
3	Dharma-A Life of Integration
4	Basic Programming Using Python
5	Ethics in engineering and value education
6	Human Rights
7	Environmental Impact Assessment
8	Soft Skill Development
9	Internet of Things
10	Panchkosh
11	Value added education on mind control
12	Personality Development

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Faculty of Science and Technology
University of Mumbai

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SHREE L. R. TIWARI
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List of Existing/ Routine Subjects R 2019 Scheme as per University of Mumbai and Self Designed Add On/Certificate/ Value-Added Courses Conducted by SLRTCE

List of Existing/ Routine Subjects R 2019 Scheme as per University of Mumbai	
Sem	**Existing/ Routine Subjects**
I	FEC101 Engineering Mathematics-I
	FEC102 Engineering Physics-I
	FEC103 Engineering Chemistry-I
	FEC104 Engineering Mechanics
	FEC105 Basic Electrical Engineering
	FEL105 Basic Workshop practice-I
II	FEC201 Engineering Mathematics-II
	FEC202 Engineering Physics-II
	FEC203 Engineering Chemistry-II
	FEC204 Engineering Graphics
	FEC205 C Programming
	FEC206 Professional Communication and Ethics-I
	FEL206 Basic Workshop Practice-II
Department of Information Technology	
III	ITC301 Engineering Mathematics-III
	ITC302 Data Structure and Analysis
	ITC303 Database Management System

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List of Existing/ Routine Subjects R 2019 Scheme as per University of Mumbai and Self Designed Add On/Certificate/ Value-Added Courses Conducted by SLRTCE

		ITC304 Principle of Communication
		ITC305 Paradigms and Computer Programming Fundamentals
		ITL301 Data Structure Lab
		ITL302 SQL Lab
		ITL303 Computer Programming Paradigms Lab
		ITL304 Java Lab (SBL)
		ITL304 Java Lab (SBL)
		ITM301 Mini Project-1 A for Front end /backend application using JAVA
IV		ITC401 Engineering Mathematics-IV
		ITC402 Computer Network and Network Design
		ITC403 Operating System
		ITC404 Automata Theory
		ITC405 Computer Organization and
		Architecture
IV		ITL401 Network Lab
		ITL402 Unix Lab
		ITL403 Microprocessor Lab
		ITL404 Python Lab (SBL)
		ITM401 Mini Project–1 B for Python based automation pro je cts

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List of Existing/ Routine Subjects R 2019 Scheme as per University of Mumbai and Self Designed Add On/Certificate/ Value-Added Courses Conducted by SLRTCE

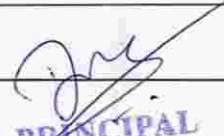|	
V	ITC501 Internet Programming
	ITC502 Computer Network Security
	ITC503 Entrepreneurship and E-Business
	ITC504 Software Engineering
	ITDO501X DepartmentOptional Course-1
	ITL503 DevOPs Lab
	ITL504 Advance DevOPs Lab
	ITL505 Professional Communication and Ethics-II (PCE-II)
	ITM501 Mini Project-2A Web Based Business Model
VI	TC601 Data Mining and Business Intelligence
	ITC602 Web X.0
	ITC603 Wireless Technology
	ITC604 AI and DS-1
	ITL603 Sensor Lab
	ITL604 MAD and PWA Lab
	ITL605 DS using Python Skill based Lab
	ITM601 Mini Project-2B Based on ML
VII	ITC701 AI and DS-II
	ITC702 Internet of Everything
	ITL703 Secure Application Development

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	ITL704 Recent Open Source Project Lab	
	ITP701 Major Project I	
VIII	ITC801 Blockchain and DLT	
	ITL802 Cloud Computing	
	ITP801 Major Project II	
Department of Computer Engineering		
III	CSC301 Engineering Mathematics-III	
	CSC302 Discrete Structures and	
	Graph Theory	
	CSC303 Data Structure	
	CSC304 Digital Logic & Computer Architecture	
	CSC305 Computer Graphics	
	CSL304 Skill base Lab course:Object Oriented Programming with Java	
	CSM301 Mini Project-1A	
IV	CSC401 Engineering Mathematics-IV	
	CSC402 Analysis of Algorithm	
	CSC403 Database Management System	
	CSC404 Operating System	
	CSC405 Microprocessor	
	CSL405 Skill base Lab course: Python Programming	

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		CSM401 Mini Project-1B
V	CSC501 Theoretical Computer Science	
	CSC502 Software Engineering	
	CSC503 Computer Network	
	CSC504 Data Warehousing and Mining	
	CSL504 Business Communication and Ethics-II	
	CSM501 Mini Project-2A	
VI	CSC601 System Programming and Compiler Construction	
	CSC602 Cryptography and System Security	
	CSC603 Mobile Computing	
	CSC604 Artificial Intelligence	
	CSL605 Skill base Lab Course : Cloud Computing	
	CSM601 Mini Project-2B	
VII	CSC701 Machine Learning	
	CSC702 Big Data Analytics	
	CSP701 Major Project-I	
VIII	CSC801 Distributed Computing	
	CSP801 Major Project-2	

Department of Electronics and Telecommunication Engineering

III	ECC301 Engineering Mathematics-III

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List of Existing/ Routine Subjects R 2019 Scheme as per University of Mumbai and Self Designed Add On/Certificate/ Value-Added Courses Conducted by SLRTCE

	ECC302 Electronic Devices and Circuits
	ECC303 Digital System Design
	ECC304 Network Theory
	ECC305 Electronic Instrumentation and Control Systems
	ECL304 Skill Lab: C++ and Java Programming
	ECM301 Mini Project 1 A
IV	ECC401 Engineering Mathematics-IV
	ECC402 Microcontrollers
	ECC403 Linear Integrated Circuits
	ECC404 Signals and Systems
	ECC405 Principles of Communication Engineering
	ECL404 Skill Lab: Python Programming
	ECM401 Mini Project 1 B
V	ECC501 Digital Communication
	ECC502 Discrete Time Signal Processing
	ECC503 Digital VLSI
	ECC504 Random Signal Analysis
	ECL504-Professional Communication and Ethics-II
	ECM501 Mini Project 2A-Embedded System Project
VI	ECC601 Electromagnetics and Antenna

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	ECC602 Computer Communication Networks
	ECC603 Image Processing and Machine Vision
	ECC604 Artificial Neural Network and Fuzzy Logic
	ECL604 Skill Lab: Linux and Networking and Server Configuration
	ECM601 Mini Project 2B-FPGA Based Project
VII	ECC701 Microwave Engineering
	ECC702 Mobile Communication System
	ECP701 Major Project-I
VIII	ECC801 Optical Communication and Networks
	ECP801 Major Project-II
III	ECC301 Engineering Mathematics-III
	ECC302 Electronic Devices and Circuits
	ECC303 Digital Electronics
	ECC304 Data Structures and Algorithms
	ECC305 Database Management Systems
	ECL304 Skill Lab: (OOPM C++ and Java)
	ECM301 Mini Project 1 A
IV	ECC401 Engineering Mathematics-IV
	ECC402 Electronic Circuits

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List of Existing/ Routine Subjects R 2019 Scheme as per University of Mumbai and Self Designed Add On/Certificate/ Value-Added Courses Conducted by SLRTCE

	ECC403 Controls and Instrumentation
	ECC404 Microprocessors and Microcontrollers
	ECC405 Discrete Structures and Automata Theory
	ECL404 Skill base Lab: Python Programming
	ECM401 Mini Project 1 B
V	ECC501 Communication Engineering
	ECC502 Computer Organization and Architecture
	ECC503 Software Engineering
	ECC504 Web Technologies
	ECL504-Professional Communication and Ethics-II
	ECM501 Mini Project 2A
VI	ECC601 Embedded Systems and RTOS
	ECC602 Artificial Intelligence
	ECC603 Computer Networks
	ECC604 Data Warehousing and Mining
	ECL604 Skill Based Laboratory
	ECM601 Mini Project 2B
VII	ECC701 VLSI Design
	ECC702 Internet of Things
	ECP701 Major Project-I

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List of Existing/ Routine Subjects R 2019 Scheme as per University of Mumbai and Self Designed Add On/Certificate/ Value-Added Courses Conducted by SLRTCE

VIII	ECC801 Robotics
	ECP801 Major Project-II
Department of Civil Engineering	
III	CEC301 Engineering Mathematics-III
	CEC302 Mechanics of Solids
	CEC303 Engineering Geology
	CEC304 Architectural Planning and Design of Buildings
	CEC305 Fluid Mechanics-I
	CEL305 Skill Based Lab Course-I
	CEM301 Mini Project-1 A
IV	CEC401 Engineering Mathematics-IV
	CEC402 Structural Analysis
	CEC403 Surveying
	CEC404 Building Materials and Concrete Technology
	CEC405 Fluid Mechanics-II
	CEL405 Skill Based Lab Course-II
	CEM401 Mini Project-1 B
V	CEC501 Theory of Reinforced Concrete Structures
	CEC502 Applied Hydraulics
	CEC503 Geotechnical Engineering-I

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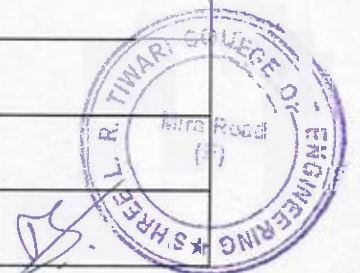Kanakiya Park, Mira Road

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List of Existing/ Routine Subjects R 2019 Scheme as per University of Mumbai and Self Designed Add On/Certificate/ Value-Added Courses Conducted by SLRTCE

	CEC504 Transportation Engineering
	CEL505 Professional Communication and Ethics-II
	CEM501 Mini Project 2 A
VI	CEC601 Design and Drawing of Steel Structures
	CEC602 Water Resources Engineering
	CEC603 Geotechnical Engineering-II
	CEC604 Environmental Engineering
	CEL605 Skill Based Lab Course-III
	CEM601 Mini Project 2B
VII	CEC701 Design and Drawing of Reinforced Concrete Structures
	CEC702 Quantity Survey, Estimation and Valuation
	CEP701 Major Project-I
VIII	CEC801 Construction Management
	CEP801 Major Project-II
Department of Mechanical Engineering	
III	MEC301 Engineering Mathematics-III
	MEC302 Strength of Materials
	MEC303 Production Processes
	MEC304 Materials and Metallurgy

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List of Existing/ Routine Subjects R 2019 Scheme as per University of Mumbai and Self Designed Add On/Certificate/ Value-Added Courses Conducted by SLRTCE

	MEC305 Thermodynamics	
	MEL301 Materials Testing	
	MEL302 Machine Shop Practice	
	MESBL301 CAD-Modeling	
IV	MEPBL301 Mini Project-1 A	
	MEC401 Engineering Mathematics-IV	
	MEC402 Fluid Mechanics	
	MEC403 Kinematics of Machinery	
	MEC404 CAD/CAM	
	MEC405 Industrial Electronics	
	MEL403 Python Programming	
	MESBL401 CNC and 3D Printing	
	MEPBL401 Mini Project-1B	
V	MEC501 Mechanical measurements and controls	
	MEC502 Thermal Engineering	
	MEC503 Dynamics of Machinery	
	MEC504 Finite Element Analysis	
	MESBL501 Professional Communication and Ethics-II	
	MEPBL501 Mini Project-2A	
VI	MEC601 Machine Design	

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List of Existing/ Routine Subjects R 2019 Scheme as per University of Mumbai and Self Designed Add On/Certificate/ Value-Added Courses Conducted by SLRTCE

	MEC602 Turbo Machinery
	MEC603 Heating, Ventilation, Air conditioning and Refrigeration
	MEC604 Automation and Artificial Intelligence
	MESBL601 Measurements and Automation
	MEPBL601 Mini Project-2B
VII	MEC701 Machine Design II
	MEC702 CAD/CAM/CAE
	MEC703 Production, Planning and Control
	MEL704 Project-I
VIII	MEC801 Design of Mechanical Systems
	MEC802 Industrial Engineering and Management
	MEC803 Power Engineering
	MEP801 Project-II

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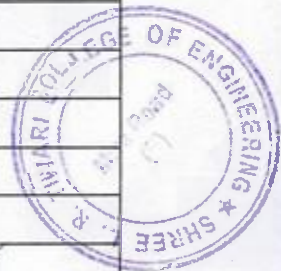Kanakiya Park, Mira Road (E).

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List of Existing/ Routine Subjects R 2019 Scheme as per University of Mumbai and Self Designed Add On/Certificate/ Value-Added Courses Conducted by SLRTCE

Sr. No.	Self-Designed Add On/Certificate/ Value-Added Courses/NPTEL/MOOC Courses
1	Structural and Architectural Aspects in Civil Engineering
2	AWS Cloud
3	Computer Graphics
4	Programming In Java
5	The Joy of Computing using python
6	Advanced Python for Mechanical Engineering
7	Advanced Cybersecurity Malware Analysis
8	Digital VLSI Design
9	Product Design and Development
10	5 G Communication
11	Environmental Ethics
12	Automation Testing and Deveops
13	Digital Marketing
14	Game Asset Development using Blender
15	Machine Learning
16	Flutter
17	Fundamental and Application of Robotics Lab
18	Internet of Things
19	CCNAv7:Introduction to Networks
20	CCNAv7:Switch Routing and Wireless Essential
21	CCNAv7:Enterprise, Networking, Security & Automation
22	Add on course"Drone Technologies"
23	Python for Mechanical Engineering
24	Programming Foundations with JavaScript, HTML and CSS
25	Introduction to Electronics
26	Algorithmic Toolbox
27	Convolutional Neural Networks
28	Deep Learning
29	Google IT Support

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List of Existing/ Routine Subjects R 2019 Scheme as per University of Mumbai and Self Designed Add On/Certificate/ Value-Added Courses Conducted by SLRTCE

30	Introduction to Data Science in Python
31	IT Security: Defense against the digital dark arts
32	Operating Systems and You: Becoming a Power User
33	R Programming
34	Sequence Models
35	Supply Chain Management
36	Python for Everybody
37	Application of Geoinformatics in Ecological Studies
38	Introduction to Data Science in Python
39	Object Oriented Programming in Java
40	HTML, CSS, and Javascript for Web Developers
41	Introduction to Scripting in Python
42	Database Management Essentials
43	Building Web Applications in PHPBuilding Web Applications in PHP
44	Java Programming and Software Engineering Fundamentals
45	A complete report writing workshop using LaTex software
46	Value education on Self Development
47	Personality Development: Self-Discovery Intensive
48	Solid Works and Ansys
49	Integrity Engineering: Nurturing Values in Technology
50	Essentials of Dharma: Mindful Decision-Making
51	Value Education for Mind Control: Brainpower Enhancement
52	Robotics
53	Ethics in engineering & value education :AURA
54	Dharma-A Life of Integration
55	Basic Programming Using Pytrhon
56	Ethics in engineering and value education
57	Human Rights
58	Environmental Impact Assesment
59	Soft Skill Development
60	Internet of Things

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61	Panchkosh
62	Value added education on mind control
63	Personality Development

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