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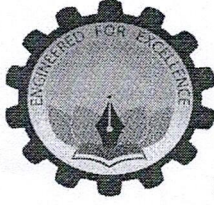
SHREE L. R. TIWARI
COLLEGE OF ENGINEERING

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

Report 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
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
14	Game Asset Development using Blender	2022-2023
15	Machine Learning	2022-2023
16	Flutter	2022-2023
17	Fundamental and Application of Robotics Lab	2021-2022
18	AWS Cloud	2021-2022
19	Internet of Things	2021-2022

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Kanakia   Mira Road (E).
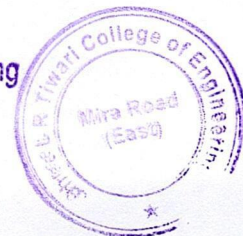
Shree Rahul Education Society's (Regd.)

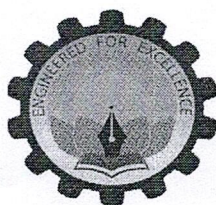# SHREE L. R. TIWARI
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Report for Add on /Certificate/Value added programs for last five years

Sr. No	Name of Add on /Certificate /Value added programs offered and online MOOC programs like SWAYAM, NPTEL etc. programs offered	Year of offering
23	Add on course"Drone Technologies"	2021-2022
24	Python for Mechanical Engineering	2021 - 2022
25	A complete report writing workshop using LaTex software	2019-2020
26	Value education on Self Development	2019-2020
27	Personality Development: Self-Discovery Intensive	2019-2020
28	Solid Works and Ansys	2019-2020
29	Integrity Engineering: Nurturing Values in Technology	2019-2020
30	Essentials of Dharma: Mindful Decision-Making	2019-2020
31	Value Education for Mind Control: Brainpower Enhancement	2019-2020
32	Robotics	2018-2019
33	Ethics in engineering & value education :AURA	2018-2019
34	Dharma-A Life of Integration	2018-2019
35	Basic Programming Using Pytrhon	2018-2019
36	Ethics in engineering and value education	2018-2019
37	Human Rights	2018-2019

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Report 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
38	Environmental Impact Assesment	2018-2019
39	Soft Skill Development	2018-2019
40	Internet of Things	2018-2019
41	Panchkosh	2018-2019
42	Value added education on mind control	2018-2019
43	Personality Development	2018-2019

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Department of Mechanical Engineering

Academic Year 2018 - 2019

Report for Bridge Course on "Robotics"

Title	Robotics
Date	9th April to 11th April 2019
Number of participants	23
Objectives	The student shall be able to enhance Holistic Development of students and to improve employability skills.
Takeaways from the Session	The bridge Course on "robotics' ' was conducted by the Department of Mechanical Engineering, SLRTCE. The course helps to understand how to accomplish the goal of Learning the Core Programming, Object Oriented Programming, software development, web application and windows application, and relation Database management system and understand the database connection methods.
Outcomes	**Students will be able to understand the** 1. To develop student Knowledge in various robot structures and their work space. 2. To develop students' skill in spatial transformation associated with rigid bodies motion.

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SHREE L. R. TIWARI COLLEGE OF ENGINEERING

Department of Electronics Engineering

Academic Year 2018 - 2019

Report for Value added/Bridge Course on "Ethics in Engineering & Value Education: AURA"

Title	Ethics in Engineering & Value Education: AURA
Date	9th January to 17th March 2019
Number of participants	86
Objectives	The student shall be able 1. To understand the concept of Ethics in Engineering & Human Values Aura. 2. To realize the complete picture of your aura looks like. 3. To imbibe the various colors of the aura, mean and say about you. 4. To indoctrinate value education in our students so that they remain committed to professional ethics and responsibilities relevant to professional engineering practice.
Takeaways from the Session	The value-added course on "Ethics in Engineering & Value Education: AURA" was conducted by the Department of Electronics Engineering, SLRTCE. The course helps to inculcate qualities like cooperation and team building to function effectively as an individual and as a member in teams and in multidisciplinary settings.
Outcomes	**Students will be able to** 1. Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice. 2. Develop a good moral character and social attitude. 3. Determine the proper use of engineering knowledge to bring uplift in quality of life, along with peace.
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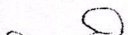Kanakia Park, Near Commissioner's Bungalow, Mira Road (East), Thane 401107, Maharashtra

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Department of Civil Engineering

Academic Year 2018 - 2019

Report for Value added Course on "Dharma-A Life of Integration"

Title	Dharma-A Life of Integration
Date	19th January to 20th April 2019 (30hrs)
Number of participants	67
Objectives	The student shall be able 1. To understand DHARMA-A LIFE OF INTEGRATION. 2. To realize the significance of Values in Self-development. 3. To imbibe the knowledge, attitudes and skills needed to achieve and sustain a global culture of peace and values. 4. To indoctrinate value education in our students so that they remain committed to professional ethics and responsibilities relevant to professional engineering practice.
Takeaways from the Session	The value-added course on "Dharma-A Life of Integration" was conducted by the Department of electronics engineering, SLRTCE. The course helps to addressed graduate attribute 6, 7, 8,9,10 related to professional engineering practice, sustainability, ethics, team work and communication.
Outcomes	**Students will be able to** 1. Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice. 2. Develop a good moral character and social attitude. 3. Determine the proper use of engineering knowledge to bring uplift in quality of life, along with peace.
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SHREE L. R. TIWARI COLLEGE OF ENGINEERING

Department of Computer Engineering

Academic Year 2018 - 2019

Report for Value added/Bridge Course on "Workshop on Basic programming using Python"

Title	Workshop on Basic programming using Python
Date	18th March 2019 to 20th March 2019
Number of participants	65
Objectives	The student shall be able

1. To understand basic concepts in python.
2. To explore content of file, directories and text processing with python.
3. To develop program for data structure using built in function in python.
4. To explore Django web framework for developing based web applications.
5. To understand file handling and database handling.

Takeaways from the Session

The value-added course on "Workshop on Basic programming using Python" was conducted by the Department of Computer engineering, SLRTCE. The course helps to apply knowledge for basic programming using Python.

Outcomes

Students will be able to

1. Students will able to develop frameworks, Projects.
2. Students will able to apply multithreading concepts, responsibilities relevant to professional engineering practice.

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Department of Computer Engineering

Academic Year 2018 - 2019

Report for Value added/Bridge Course on "Ethics in Engineering and Value Education"

Title	Ethics in Engineering and Value Education
Date	January to April 2019
Number of participants	131
Objectives	The student shall be able

1. To understand the concept of Human Values karmendriyan and gyanendriyan.
2. To realize the significance of Self-development.
3. To imbibe the knowledge, attitudes, and skills needed to achieve and sustain a global culture of peace and values.
4. To inculcate qualities like cooperation and team building to function effectively as an individual and as a member in teams and in multidisciplinary settings.

Takeaways from the Session

The value-added course on "Ethics in Engineering and Value Education" was conducted by the Department of Computer engineering, SLRTCE. The course helps to paves the way for better creativity and improved awareness. Gives you a deeper insight into various levels of existence.

Outcomes

Students will be able to

1. develop a good moral character and social attitude.
2. rejuvenates and calms your mind, body, and soul.

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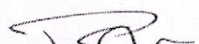Kanakiya Park, Mira Road (E).

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Department of Information Technology

Academic Year 2018 - 2019

Report for Value added/Bridge Course on "Human Rights"

Title	Human Rights
Date	January to April 2019
Number of participants	135
Objectives	The student shall be able

The student shall be able
1. To understand the concept of Human Rights.
2. To realize the significance of Values in Self-development.
3. To imbibe the knowledge, attitudes and skills needed to achieve and sustain a global culture of peace and values.
4. To indoctrinate value education in our students so that they remain committed to professional ethics and responsibilities relevant to professional engineering practice.

Takeaways from the Session

The value-added course on "Human Rights" was conducted by the Department of Information Technology, SLRTCE. The course helps to builds up the required knowledge, values, and proficiency of human rights to develop an acceptable human rights culture.

Outcomes

Students will be able to
1. Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
2. Develop a good moral character and social attitude.
3. Determine the proper use of engineering knowledge to bring uplift in quality of life, along with peace.
4. Responsibilities relevant to professional engineering practice.
5. Developing effectiveness and self-management

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Department of Civil Engineering

Academic Year 2018 - 2019

Report for Value added Course on "Environmental Impact Assessment"

Title	Environmental Impact Assessment
Date	20ᵗʰ January to 31ˢᵗ March 2019
Number of participants	38
Objectives	The student shall be able 1. To use of EIA for various projects. 2. To monitor and mitigation of Impacts. 3. To perform EIA for various projects. 4. To perform Environmental Auditing process. 5. To learn laws related to EIA and auditing in India.
Takeaways from the Session	The value-added course on "Environmental Impact Assessment" was conducted by the Department of Civil Engineering, SLRTCE. The course helps to understand how to identify, predict, and mitigate potential adverse impacts on the environment and human health, while also considering socio-economic aspects.
Outcomes	**Students will be able to** 1. Prepare portions of environmental documents through administrative and legal requirements and standards of professional practice. 2. Participate in interdisciplinary environmental report preparation.
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Department of Civil Engineering

Academic Year 2018 - 2019

Report for Value added Course on "Soft Skill Development"

Title	Soft Skill Development
Date	12th July to 24th November 2018
Number of participants	85
Objectives	The student shall be able to

1. To develop interpersonal skills and be an effective goal oriented team player.
2. To develop professionals with idealistic, practical and moral values.
3. To develop communication and problem solving skills.
4. To re-engineer attitude and understand its influence on behavior.

Takeaways from the Session

The value-added course on ""Soft Skill Development" was conducted by the Department of Civil Engineering, SLRTCE. This course structure allows for a comprehensive exploration of interpersonal skills, professional values, communication, problem-solving, and attitude re-engineering, while providing opportunities for practical application and assessment.

Outcomes

Students are able to

1. Navigate conflicts effectively and contribute positively to group dynamics.
2. Integrate theoretical knowledge with practical applications, fostering a well-rounded professional approach.
3. Use effective communication to collaborate on problem-solving within a team environment.
4. Understand the connection between attitude, motivation, and overall success in personal and professional endeavors.

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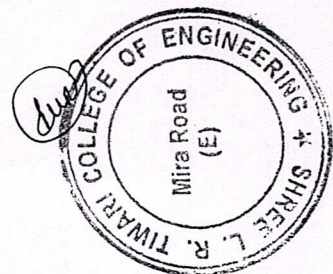Mira Road (E).

IOT WORKSHOP

Date: 05/10/2018
Venue: Lab 410, SLRTCE.

With the motto of imparting advance education and preparing the students, towards being better professionals, SLRTCE organised an "IOT-Internet of Things Workshop certified by Microsoft" for the EXTC and ETRX Department. Students showed great interest and participated for the 3-Day workshop. The instructor, Prof.Anshu Kumar was very enthusiastic and dedicated towards his teaching methodology. He was very clear with the concepts and provided real-life examples for better understanding. The workshop began with the introduction towards the flourishing field of IOT. The first half of the session began with installing and configuring the Raspberry Pi Models. The second half was much more interactive as the basics of Python (a computing language required to study IOT) was explained with a practical training approach. With individual attention to each student and helping them to troubleshoot their errors themselves, concepts were made more clear and understandable. The entire session ended with an opportunity given to students to publically express and revise what they learned in the session.

Technical Head,
Shama Mohammad.

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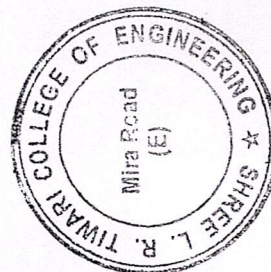
IOT WORKSHOP

Date: 09/10/2018
Venue: Lab 410, SLRTCE.

With an amazing end to the first session and curiosity to learn more, the second session started enthusiastically. It began with the teams configuring their Raspberry Pi Models themselves and setting up the environment to execute various devices with their models. Hardware implementation using software was at the mainframe in this session. A brief explanation by the Trainer- Mr. Anshu Kumar, about each and every program executed, made students capable of writing the further programs on their own. Various sensors such as IR Sensor, Temperature Sensor, Ultrasonic Sensor, etc. were executed using Raspberry Pi. With complete hands-on practical session, students enjoyed executing various devices and obtaining the desired outputs. Concept of working in teams, inculcated the qualities of "Team Work" within the students. The session ended peacefully with feedback taken from students regarding the session.

Technical Head,
Shama Mohammad.

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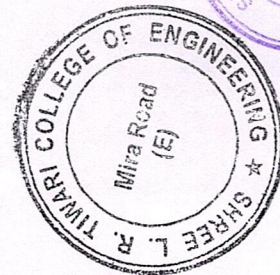Kanakiya Park, Mira Road (E).

IOT WORKSHOP

ate: 10/10/2018
enue: Lab 410, SLRTCE.

The mind that opens to a new idea, never returns to its original size"; and so was the workshop of
OT for SLRTCE students to get into the depth of knowledge regarding the most trending field of IOT.
he third-day workshop was a sum up of various topics related to IOT, WEB SERVERS and CYBER
ECURITY. The session started with a quick revision, followed by, configuring the Raspberry Pi Models
or executing various devices and controlling them from remote servers. Students were given the
opportunity to experience the real-time application of "blinking of a bulb" controlled by programming
the Raspberry Pi with a Relay. By configuring the Raspberry Pi with a Temperature Sensor and
connecting it with a Web Server, one could actually monitor the Temperature of the area from a
remote access. The stupendous second half of the session was the most favourite part of the entire 3-
Day workshop as it focused about the most interesting topic of CYBER SECUIRTY. The persuasive
quality of the trainer- Mr. Anshu Kumar, made the session even more interesting and interactive.
Sharing his own experiences regarding the Ethical Hacking, enabled the students to differentiate
between the Pros and Cons of being a Hacker. Being a very meticulous personality, the trainer was
very keen at explaining the various procedures to Secure Data over Internet and also taught the basics
ohical Hacking. Doubts were clarified regarding all the topics covered within the 3-Day Workshop.
A Group picture with the Trainer, Faculty Co-ordinators and students marked the end of the IOT
Workshop.

Technical Head,
Shama Mohammad.

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Department of Computer Engineering

Academic Year 2018 - 2019

Report for Value added/Bridge Course on "Panchkosh"

Title	Panchkosh
Date	19th January to 30th March 2019
Number of participants	146
Objectives	The student shall be able to 1. understand the concept of Human Values karmendriya and gyanendriya. 2. realize the significance of Self-development. 3. imbibe the knowledge, attitudes, and skills needed to achieve and sustain a global culture of peace and values.
Takeaways from the Session	The value-added course on "Panchkosh" was conducted by the Department of Computer engineering, SLRTCE. The course helps to inculcate qualities like cooperation and team building to function effectively as an individual and as a member in teams and in multidisciplinary settings.
Outcomes	**Students were able to** 1. develop a good moral character and social attitude. 2. rejuvenates and calms your mind, body, and soul..
Signature	

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Department of Electronics and Telecommunications

Academic Year 2018 - 2019

Report for Value added Course on "Value Education for Mind Control"

Title	Value Education for Mind Control
Date	January to April 2019
Number of participants	88
Objectives	The student shall be able to

1. To understand the concept of Mind Control in Engineering and Human Values.
2. To realize the significance of Mind Control in self- development.
3. To learn to open the mind to understand and accept one's flaws along with acknowledging the good things within.
4. To study the exercises to experience the real change which can change one's life.
5. To cultivate qualities like sustainability

Takeaways from the Session

The value-added course on "Value Education for Mind Control" was conducted by the Department of Electronics and Telecommunications, SLRTCE. The course helps to understand a systematic course designed to inculcate ethics and moral values in professionals along with technical skills.

Outcomes

Students will be able to understand the

1. Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice
2. Develop a good moral character and social attitude.
3. Determine the proper use of engineering knowledge to bring uplift in quality of life, along with peace.
4. Responsibilities relevant to professional engineering practice.

Signature

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Department of Mechanical Engineering

Academic Year 2018 - 2019

Report for Bridge Course on "Personality Development"

Title	Personality Development
Date	12th July to 18th October 2018
Number of participants	
Objectives	The student shall be able to enhance Holistic Development of students and to improve employability skills.
Takeaways from the Session	The bridge Course on "Personality Development" was conducted by the Department of Mechanical Engineering, SLRTCE. The course helps to understand how to accomplish the goal of developing interpersonal skills and be an effective goal oriented team player and to develop professionally with idealistic and moral Values.
Outcomes	Students will be able to 1. Develop interpersonal skills and be an effective goal oriented team player and to develop professionally with idealistic and moral Values . 2. Develop communication and Problem Solving skills. and to Reengineer attitude and its influence on behavior.
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