Swami Vivekanand College of Engineering
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Campus : Khandwa Road, Indore-452020 (M.P.) Phone : +91- 07324-405000
• Email : info@svceindore.ac.in • Website : www.svce.vivekanandgroup.com

Declaration

Metric 3.2.2

I declare that all the data, reports and other information enclosed in the metric are authentic to the best of my knowledge.

Criteria In-charge

Dr. Goutam Varma

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Index

Swami Vivekanand College of Engineering, Indore

A Report

on

One day Workshop on Theory & Application of

CNC Machines

Dated

17/01/2023

Academic Session 2022-23

PRINCIPAL
SWAMI VIVEKANAND
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Swami Vivekanand College of Engineering, Indore

Report

On

"Theory & Applications of CNC Machine"

Organized by: Mechanical Engineering Department, Swami Vivekanand College of Engineering

Date: 17/01/2023

No. of Participants: 20

Introduction

The workshop on "Theory & Applications of CNC Machine" was held on 17/01/2023 at CNC Lab. It was aimed at providing participants with hands-on experience and theoretical knowledge required for efficient job preparation on CNC (Computer Numerical Control) machines. The workshop covered various aspects of CNC machining, including programming, machine setup, tool selection, and safety measures.

Objectives:

- To understand the basics of CNC machining.
- To learn the process of job preparation and setup on CNC machines.
- To gain proficiency in CNC programming.
- To familiarize with safety protocols and best practices in CNC machining.

Speaker: Mr. Vishal Wankhde

Activity: Practical training with Job Operation on CNC Machine.

Description: The session focused on the practical application of CNC Machine. Participants learned how to assembly parts.

Participation and Engagement

1. Introduction to CNC Machines:

view of CNC technology and its evolution.

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Types of CNC machines and their applications in various industries.

Advantages of CNC machining over traditional machining.

2. CNC Programming Basics :

Understanding G-code and M-code.

Writing simple CNC programs.

Simulation of CNC programs using software.

3. Job Preparation and Machine Setup

Steps for job preparation: from CAD design to CNC machining.

Selecting the right tools and materials.

Setting up the workpiece and machine calibration.

Loading and verifying CNC programs on the machine.

4. Practical Session

Hands-on experience in setting up a CNC machine.

Running a CNC program to produce a part.

Troubleshooting common issues in CNC machining.

5. Safety Measures and Best Practices

Importance of safety in CNC machining.

Personal protective equipment (PPE) and machine safety features.

Routine maintenance and inspection of CNC machines.

Best practices for efficient and safe CNC operations.

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Conclusion

The "Theory & Applications of CNC Machine" workshop successfully achieved its objectives of imparting essential knowledge and skills related to CNC machining. The positive feedback from participants indicates a high level of satisfaction and interest in further advanced workshops.

Report Prepared by:

Mr. Vishal Wankhde
Asst. Professor, MED
Swami Vivekanand College of Engineering

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Swami Vivekanand College of Engineering, Indore

A Report

on

One day Workshop on Dismantling & Assembly of In-line Three Cylinder Four Stroke Engine

Dated

13/03/2023

Academic Session 2022-23

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Swami Vivekanand College of Engineering

Report

On

Workshop on Dismantling & Assembly of In-line Three Cylinder Four Stroke Engine

Organized by: Mechanical Engineering Department, Swami Vivekanand College of Engineering

Date: 13/03/2023

Participants: 27

Introduction

The dismantling and assembly of an in-line three-cylinder four-stroke engine are fundamental skills for understanding internal combustion engine mechanics. Thisreport covers the step-by-step process, tools required, safety measures, and important observations during the procedure.

Objectives

The objectives of the workshop were:

1. To understand the structure and function of each component in an in-line three-cylinder four-stroke engine.
2. To learn the systematic approach to dismantling and assembling the engine.
3. To identify and understand the purpose of various engine parts.

Instructor: Mr. Vishal Wankhade

Activity: Practical training with engine.

Description: The session focused on the practical application of engine parts Participants learned how to assembly parts.

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Participation and Engagement

The workshop saw enthusiastic participation from the B. Tech Second year Mechanical Engineering students. The hands-on sessions were particularly well-received, with students actively engaging in the practical exercises and demonstrating a keen interest in engine parts.

Conclusion

The dismantling and assembly of an in-line three-cylinder four-stroke engine involve systematic steps and attention to detail. Understanding each component's role and ensuring proper handling and installation are critical for engine performance and longevity. This hands-on experience is invaluable for anyone pursuing a career in automotive engineering or maintenance.

Report Prepared by:

Mr. Vishal Wankhade
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Swami Vivekanand College of Engineering

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Swami Vivekanand College of Engineering, Indore

A Report

on

Two days Workshop on Total Station

Dated

10/04/2023 & 11/04/2023

Academic Session 2022-23

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Swami Vivekanand College of Engineering

Report On

Two day's Workshop on Total Station

Organized by: Civil Engineering Department, Swami Vivekanand College of Engineering

Participant: Civil Engineering Students

Introduction The Civil Engineering Department of Swami Vivekanand College of Engineering successfully organized a two-day workshop titled **"Total Station"** on April 10th and 11th 2023. The workshop aimed to provide participants with a comprehensive understanding of total station through hands-on activities and practical exercises.

Activity Overview

Activity Title: Workshop with Advance Survey Instruments

Duration: 2 Days

Date: 10/04/2023 & 11/04/2023

Venue: Swami Vivekanand College of Engineering Campus

Instructor: Expert from KTRC Construction Private Limited

Objectives of the Training

- To impart practical knowledge on the use of Total Station in field surveys.
- To enhance the technical skills of the students in civil engineering.

Outcomes

- **Enhanced Skillset**: Students gained practical experience with Total Station, enhancing their surveying skills.
- **Improved Knowledge**: Participants understood the operational and technical aspects of using Total Station in field surveys.
- **Practical Application**: Students applied theoretical knowledge in a practical environment, preparing them for real-world engineering challenges.

Conclusion

The training on field survey with Total Station given by the expert from KTRC Construction Private Limited in Swami Vivekanand College of Engineering was a resounding success. The activity not only met its objectives but also provided valuable practical experience to the students, thereby contributing significantly to their professional development.

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Kapil Kushwah
Assistant Professor- CED

Swami Vivekanand College of Engineering, Indore

A Report

on

One day Seminar on Benefit of Joining Tech Communities and Student Program like MLSA

Dated

29/03/2023

Academic Session 2022-23

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Swami Vivekanand College of Engineering, Indore

Report

On

One day Seminar on "Benefit of Joining Tech Communities and Student Program like MLSA"

Organized by: Computer Science EngineeringDepartment, Swami Vivekanand College of Engineering.

Date:29/03/2023

No. of Participants: 54

Introduction: Benefit of Joining Tech Communities and Student Program like MLSA. This seminar was conducted under the GDSC (Google Developer Students Club). This seminar aims to provide students MLSA program achieve more with unique opportunities to build AI-driven solutions, explore cutting-edge technology, lead local communities, and grow online presence.

Objectives: To provide students MLSA program achieve more with unique opportunities.

- To build AI-driven solutions, explore cutting-edge technology, lead local communities, and grow online presence.

Speaker:GDSC entire team members

Activity Description: The seminar covered following areas through an interactive presentation.The session focused on unique opportunities to build AI-driven solutions, explore cutting-edge technology, lead local communities, and grow online presence.

- To build AI-driven solutions.
- To explore cutting-edge technology.
- To lead local communities
- To grow online presence

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Participation and Engagement: The workshop saw enthusiastic participation from the B.Tech1st and 2nd year Computer Science Engineering students. This workshop was conducted under the GDSC (Google Developer Students Club). The hands-on sessions were particularly well-received, with students actively engaging in the practical exercises and demonstrating a keen interest in mastering in growing skills with GDSC.

Conclusion: The "GDSC-MLSA" seminar was a resounding success, achieving its objective of providing comprehensive knowledge on growing skills with GDSC. The Computer Science Engineering Department received positive feedback from participants. The seminar has undoubtedly enhanced the students skills and prepare them for future professional challenges in the field of Computer Science Engineering.

Event Co-Ordinator

Mrs. Vaishali Upadhyay
Asst. Professor, CSE

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A Report

on

Five day Workshop on Bootcamp on Hackathon

Dated

09/05/2023 to 13/05/2023

Academic Session 2022-23

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Report

On

"Bootcamp on Hackathon"

Organized by: Computer Science Engineering Department, Swami Vivekanand College of Engineering

Date: 09/05/2023 to 13/05/2023

No. of Participants: 23

Introduction

The Computer Science Engineering Department of Swami Vivekanand College of Engineering successfully organized a five-day workshop titled Bootcamp on Hackathon on May 9th to 13th, 2023. This workshop was conducted under the GDSC (Google Developer Students Club). The workshop aimed to provide participants with a comprehensive understanding of Web Development.

Objectives

- To gain the knowledge of participants on HTML,CSS and using framework skills.
- To give practical experience and familiar in writing code to make attractive WebPages.

Instructor: GDSC Coordinator Harsh Jha & GDSC entire team members

Activity Description: Making Interactive websites and webpages.

- The session focused on the practical use of the Website Development.
- Participants learned the use making static and dynamic webpages using HTML,CSS.

Participation and Engagement: The workshop saw enthusiastic participation from the B.Tech 2nd year Computer Science Engineering students. This workshop was conducted under the GDSC (Google Developer Students Club). The hands-on sessions were particularly well-received, with students actively engaging in the practical exercises and demonstrating a keen interest in mastering the web development.

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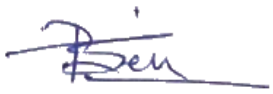
Conclusion: The "Hackathon" workshop was a resounding success, achieving its objective of providing comprehensive training on Web Development. The Computer Science Engineering Department received positive feedback from participants. The workshop has undoubtedly enhanced the students skills and prepare them for future professional challenges in the field of Computer Science Engineering.



Workshop Co-ordinator:

Mrs. Priya Sen
Asst. Professor, CSE

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A Report

on

One day Workshop on Computer Hardware and Network

Dated

01/04/2023

Academic Session 2022-23

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Report

On

"Computer Hardware and Network"

Organized by: Computer Science EngineeringDepartment, Swami Vivekanand College of Engineering

Date: 01/04/2023

No. of Participants: 198

Introduction

The Computer Science Engineering Department of Swami Vivekanand College of Engineering successfully organized a one-day workshop titled **"Computer Hardware and Network"** on April 1st, 2023. This workshop was conducted under guidance of faculty member and lab technician. This workshop was based on organization and architecture of computer.

Objectives:

- To understand the principles of computing and its evolution over time.
- To identify the main components of a computer.
- Tounderstand the complexity of operating systems.

Instructor: Anand Kushwah (Lab Technician)

ActivityDescription: The information about the physical components of PC hardware, and the fundamental ideas of information technology (IT)and memories, the processing, and execution of computer software programs and applications. In addition to operating systems, and the usefulness and ways of using data networks in computing and the Internet.

- Introduction of Hardware and Software/components of computer.
- Mother boards, Chipsets & Microprocessor concept & latest available in market. Basics & types of Floppy drive/HDD/DVD/RAM /SMPS/ /BIOS etc
- Handling & Holding sensitive equipments, Installing Motherboards, Choosing Cabinet & Cooling considerations, Installing CPU.
- nbling of different parts of computers.

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Participation and Engagement: The workshop saw enthusiastic participation from the B.Tech 2nd year Computer Science Engineering students. This workshop was conducted under the guidance of faculty member and lab technician.

Conclusion: The "**Computer Hardware and Network**" workshop was a resounding success, achieving its objective of providing comprehensive training on computer components. The Computer Science Engineering Department received positive feedback from participants. The workshop has undoubtedly enhanced the student's skills and prepare them for future professional challenges in the field of Computer Science Engineering. After attending workshop, students will able to learn:

- Describe network system
- Discuss the Input and Output Devices
- Explain the concept of Computer Hardware
- Explain the concept of Computer Software

Workshop Co-ordinator:

Mrs. Vaishali Upadhyay
Asst. Professor, CSE

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A Report

on

One day Workshop on Electrical Simulation and Mathematical Modelling

Dated

20/08/2022

Academic Session 2022-23

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Swami Vivekanand College of Engineering, Indore

Report

On

"Electrical Wiring"

Organized by: Electrical & Electronics Engineering Department, Swami Vivekanand College of Engineering

Date: 20/08/2022

Participants:29

Introduction

With aim of understanding the mathematical modeling electrical system and study the effect of various electrical component the Electrical & Electronics Engineering Department of SVCE has successfully conducted a one day workshop on "Electrical simulation & mathematical Modelling" on 20/08/2022 for the students B. Tech Second year & Third Year.

Objectives

- Improved understanding: Enhance comprehension of complex concepts through interactive and immersive experiences.
- Development of skills: Foster critical thinking, problem-solving, and decision-making abilities.

Instructor: Mr. Anubhav Varshney

Activity: Hands on Basics on MATLAB software.

Description: The session focused on the identification of electrical wiring schematic electrical symbols, conductors and conductor sizes.Also hands on installation of electrical boxes, switches, recessed lighting and ballast.

Participation and Engagement

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The workshop saw enthusiastic participation from the B.Tech 2nd & 3rd year students. The hands-on sessions were particularly well-received, with students actively engaging in the practical exercises and demonstrating a keen interest in basics of MATLAB Simulation.

Conclusion

The student will be able to:

- Learned features of MATLAB as a programming tool. They are fully familiar to all the features of MATLAB software and easily handle the software.
- Learned graphic features of MATLAB and they are able to use this feature effectively in the various applications.
- Use MATLAB as a simulation tool.
- Work as a 'MATLAB programmer' in the industry because of the hands on practical sessions.

Report Prepared by:

Manisha

Mr. Manisha Gaur
Asst. Professor, EXD
Swami Vivekanand College of Engineering

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A Report

on

One day Workshop on Electrical Simulation and Mathematical Modelling

Dated

15/02/2023

Academic Session 2022-23

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Report

On

"Electrical Wiring"

Organized by: Electrical & Electronics Engineering Department, Swami Vivekanand College of Engineering

Date: 15/02/2023

Participant: B.Tech 2nd & 3rd Year Students.(EX)

Introduction

With aim of understanding the mathematical modeling electrical system and study the effect of various electrical component the Electrical & Electronics Engineering Department of SVCE has successfully conducted a one day workshop on "Electrical simulation & mathematical Modelling" on 15/02/2023 for the students B. Tech Second year & Third Year.

Objectives

- Improved understanding: Enhance comprehension of complex concepts through interactive and immersive experiences.
- Development of skills: Foster critical thinking, problem-solving, and decision-making abilities.

Instructor: Mr. Anubhav Varshney

Activity: Hands on Basics on MATLAB software.

Description: The session focused on the identification of electrical wiring schematic electrical symbols, conductors and conductor sizes.Also hands on installation of electrical boxes, switches, recessed lighting and ballast.

Participation and Engagement

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The workshop saw enthusiastic participation from the B.Tech 2nd & 3rd year students. The hands-on sessions were particularly well-received, with students actively engaging in the practical exercises and demonstrating a keen interest in basics of MATLAB Simulation.

Conclusion

The student will be able to:

- Learned features of MATLAB as a programming tool. They are fully familiar to all the features of MATLAB software and easily handle the software.
- Learned graphic features of MATLAB and they are able to use this feature effectively in the various applications.
- Use MATLAB as a simulation tool.
- Work as a 'MATLAB programmer' in the industry because of the hands on practical sessions.

Report Prepared by:

Mr. Manisha Gaur
Asst. Professor, EXD
Swami Vivekanand College of Engineering

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A Report

on

One day Workshop on Electrical Wiring

Dated

10/12/2022

Academic Session 2022-23

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Swami Vivekanand College of Engineering, Indore

Report

On

"Electrical Wiring"

Organized by: Electrical & Electronics Engineering Department, Swami Vivekanand College of Engineering

Date: 10/12/2022

Participant: B.Tech 1st Year Students.(CS, IT)

Introduction

With aim of understanding the electrical system and identifying electrical wiring, schematic electrical symbols, conductors and conductor sizes Electrical & Electronics Engineering Department of SVCE has successfully conducted a one day workshop on "Electrical house wiring" on 10/12/2022 for the students B. Tech first year.

Objectives

- To enhance the knowledge of students in basics or electrical wiring.
- To provide hands-on training and practical experience electrical connection in house wiring.
- To equip students with the necessary skills to handle basic electrical instruments like ammeter voltmeter, multimeter, tester, etc.

Speaker: Ms. Manisha Gaur

Activity: Hands on electrical connections.

Description: The session focused on the identification of electrical wiring schematic electrical symbols, conductors and conductor sizes.Also hands on installation of electrical boxes, switches, recessed lighting and ballast.

Participation and Engagement

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The workshop saw enthusiastic participation from the B.Tech 1st year students(CS, IT). The hands-on sessions were particularly well-received, with students actively engaging in the practical exercises and demonstrating a keen interest in basic uses of electrical instruments.

Outcome

The student will be able to:

- Understand the electrical system and demonstrate the various installation methods.
- Explain and identify electrical wiring schematic electrical symbols, conductors and conductor sizes.
- Identify and install electrical boxes, switches, recessed lighting and ballast.
- Identify and demonstrate branch circuit, master bedroom, bedroom, and bathroom circuit.

Report Prepared by:

Mr. Anubhav Varshney
Asst. Professor, EXD
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A Report

on

Design Thinking, Critical thinking and Innovation

Design

Dated

08/05/2023

Academic Session 2022-23

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Swami Vivekanand College of Engineering, Indore

Report on

"Design Thinking, Critical Thinking, and Innovation Design"

Organized By:- Swami Vivekanand College of Engineering, IPR Cell

Date:- 08th May 2023

Participants:- B.Tech Students

Introduction:- Swami Vivekanand College of Engineering is committed to fostering innovation and creativity among its students. In line with this mission, the IPR Cell organized a seminar on "Design Thinking, Critical Thinking, and Innovation Design" to equip students with essential skills required in today's competitive environment.

Objectives

- To Introduce students about the concepts of design thinking, critical thinking, and innovation design.
- To enhance problem-solving skills through structured methodologies.
- To encourage creative and innovative approaches to engineering challenges.
- To provide practical insights and applications of these concepts in real-world scenarios.

Speaker

The seminar was delivered by Mr. Ashish Tiwari, the Head of the Computer Science and Engineering Department. Mr. Tiwari is an expert in the field with extensive experience in both academic and industry settings, making him uniquely qualified to lead this session.

Description

The seminar was conducted in the main auditorium of the college and was attended by a large number of B.Tech students from various engineering disciplines. The session began with a ction to the topic, followed by an in-depth exploration of each conc

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Design Thinking:- Mr. Tiwari explained the principles of design thinking, emphasizing empathy, ideation, prototyping, and testing. He highlighted its importance in creating user-centric solutions and provided examples from various industries.

Critical Thinking:- The session then moved on to critical thinking, where Mr. Tiwari discussed techniques for analyzing and evaluating information objectively. He stressed the importance of questioning assumptions and using logic and reasoning to make informed decisions.

Innovation Design:- In the final segment, innovation design was covered. Mr. Tiwari illustrated how combining creativity with practical implementation leads to innovative solutions. He shared several case studies to demonstrate successful innovation processes.

Participation and Engagement

The seminar was highly interactive, with Mr. Tiwari encouraging students to participate actively. There were numerous Q&A sessions where students could clarify their doubts and discuss their ideas. Group activities were conducted to apply the concepts learned, fostering collaboration and creative thinking among the participants.

Conclusion

The seminar on "Design Thinking, Critical Thinking, and Innovation Design" was a resounding success. It provided valuable insights and practical tools that will benefit the students in their academic and professional careers. By encouraging innovative and critical approaches to problem-solving, the seminar has laid a strong foundation for future engineers to excel in their respective fields.

Event Coordinator

Mr. Mahesh Kumar Patidar

Assistant Professor, SVCE Indore

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Swami Vivekanand College of Engineering, Indore

A Report

on

Research Tools and techniques

Dated

12/09/2022

Academic Session 2022-23

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Swami Vivekanand College of Engineering, Indore

Report on

"Research Tools and Techniques"

Organized By:- Swami Vivekanand College of Engineering, IPR Cell

Date:- 12th September, 2022

Participants:- B.Tech/M.Tech Students

Introduction:- Research tools and techniques are essential for systematically gathering, analyzing, and interpreting data in various fields. Key tools include surveys, interviews, observation, and software for data analysis. Techniques encompass quantitative and qualitative methods, literature reviews, sampling, and ethical considerations. Together, these tools and techniques ensure rigorous and reliable research outcomes.

Objectives: The seminar was organized with the following objectives:

- To introduce students to various research tools and techniques.
- To enhance understanding of systematic data gathering, analysis, and interpretation.
- To provide practical insights into the application of these tools in research.

Speaker

The seminar was led by Dr. Mayank Laddha, an esteemed expert in the field of research methodologies and intellectual property rights. Dr. Laddha holds extensive experience and has published numerous papers in reputed journals, making him an ideal speaker for this seminar.

Description

The seminar commenced with a brief introduction by Dr. Mayank Laddha, who outlined the significance of research in engineering and technology fields. He elaborated on various research tools such as surveys, interviews, observation, and data analysis software like SPSS and MATLAB. Dr. Laddha also discussed quantitative and qualitative research techniques, emphasizing their application and relevance in engineering studies.

Dr. Laddha provided real-world examples and case studies to illustrate the practical implementation of these tools and techniques. The session was interactive, with students engaging in discussions and asking pertinent questions.

Participation and Engagement

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The seminar witnessed active participation from both B.Tech and M.Tech students. Around 29 students attended the seminar, showing great enthusiasm and interest in the topic. The interactive Q&A session allowed students to clarify their doubts and gain deeper insights into research methodologies.

Dr. Laddha's engaging presentation style and his ability to connect theoretical concepts with practical applications kept the audience engaged throughout the seminar. Feedback from students indicated that the seminar was highly informative and beneficial.

Conclusion

The seminar on "Research Tools and Techniques" was a resounding success, achieving its objectives of educating and engaging students in essential research methodologies. Dr. Mayank Laddha's expertise and interactive approach significantly contributed to the seminar's success, providing students with valuable knowledge and practical insights.

Swami Vivekanand College of Engineering remains committed to organizing such informative events to foster the academic and professional development of its students. The seminar has undoubtedly equipped the attendees with the necessary skills and understanding to excel in their research endeavors.

Event Coordinator

Mr. Vishal Wankhade

Assistant Professor, SVCE Indore

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A Report

on

One day Workshop on Electrical Wiring

Dated

18/04/2023

Academic Session 2022-23

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Report

On

"Electrical Wiring"

Organized by: Electrical & Electronics Engineering Department, Swami Vivekanand College of Engineering

Date: 18/04/2023

Participant: B.Tech 1st Year Students.(EX, ME, EC)

Introduction

With aim of understanding the electrical system and identifying electrical wiring, schematic electrical symbols, conductors and conductor sizes Electrical & Electronics Engineering Department of SVCE has successfully conducted a one day workshop on "Electrical house wiring" on 18/04/2023 for the students B. Tech first year.

Objectives

- To enhance the knowledge of students in basics or electrical wiring.
- To provide hands-on training and practical experience electrical connection in house wiring.
- To equip students with the necessary skills to handle basic electrical instruments like ammeter voltmeter, multimeter, tester, etc.

Speaker: Mr. Hemendra Khedekar

Activity: Hands on electrical connections.

Description: The session focused on the identification of electrical wiring schematic electrical symbols, conductors and conductor sizes.Also hands on installation of electrical boxes, switches, recessed lighting and ballast.

Participation and Engagement

The workshop saw enthusiastic participation from the B.Tech 1st year students(EX, ME, EC). The hands-on sessions were particularly well-received, with students actively engaging in the rcises and demonstrating a keen interest in basic uses of electrical instu

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Outcome

The student will be able to:

- Understand the electrical system and demonstrate the various installation methods.
- Explain and identify electrical wiring schematic electrical symbols, conductors and conductor sizes.
- Identify and install electrical boxes, switches, recessed lighting and ballast.
- Identify and demonstrate branch circuit, master bedroom, bedroom, and bathroom circuit.

Report Prepared by:

Mr. Anubhav Varshney

Asst. Professor, EXD
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A Report

on

One day Seminar on Latest Aspects of Building Planning & Construction

Dated

26/10/2021

Academic Session 2021-22

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Report

on

Latest Aspects of Building Planning & Construction

Organized by: Civil Engineering Department, SVCE, Indore

Date: 26 October 2021

Participants: Civil Engineering Students

Introduction: Building planning is the systematic process of designing the layout and structure of a building to ensure functionality, safety, and aesthetics. It encompasses site selection, zoning compliance, and the integration of architectural and engineering principles. Key aspects include space utilization, accessibility, structural integrity, and energy efficiency. Effective building planning also considers environmental impact and sustainability. Thorough planning ensures that the building meets all regulatory requirements and client needs.

Objectives: The objectives of the seminar were:

- To impart knowledge on building planning concepts and procedures.
- To familiarize students with the terminology associated with building planning.
- To enable students to plan 2, 3 BHK apartments and other buildings according to the desired area.

Speaker: Mr. Sharad V. Deodhar

Designation: Retired Group Director, Patel Engineering College; Retired Dean, SVVV Indore

Activity Description: The seminar was conducted offline at the college premises, with an option for online participation via a shared link. It commenced at 09:45 am and concluded at 11:45 am. The seminar covered the following key points:

- Introduction to building planning and its importance in civil engineering.
- led explanation of various building planning concepts and terminol

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- Practical approaches to planning different types of residential buildings, including 2 and 3 BHK apartments.
- Interactive session with students, addressing their queries and providing real-life examples.

Participation & Engagement: The seminar witnessed active participation from students across the second to final year B.Tech courses. Both offline and online attendees engaged enthusiastically with the content. Mr. Deodhar's extensive knowledge and interactive teaching style facilitated a highly engaging session. Students asked insightful questions, leading to a lively discussion that enhanced their understanding of the subject.

Conclusion: The seminar successfully met its objectives. Students gained valuable insights into building planning processes and terminologies. They developed the ability to conceptualize and plan residential buildings as per specified requirements. The session also provided students with a clearer understanding of the practical applications of their theoretical knowledge, preparing them for future professional challenges.

Event Co-ordinator

Mr. Goutam Varma

HOD, Civil Engineering Department

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A Report

on

Two day's Workshop on Working with Advance Survey Instruments

Dated

22/03/2022 – 23/03/2022

Academic Session 2021 - 22

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Report

On

"Working with Advanced Survey Instruments"

Organized by: Civil Engineering Department, Swami Vivekanand College of Engineering

Date: 22/03/2022 & 23/03/2022

Participant: B.Tech 2nd Year Students.

Introduction

The Civil Engineering Department of Swami Vivekanand College of Engineering successfully organized a two-day workshop titled **"Working with Advanced Survey Instruments"** on March 22nd and 23rd, 2022. The workshop aimed to provide participants with a comprehensive understanding of advanced survey instruments through hands-on activities and practical exercises.

Objectives

- To provide an overview of surveying and measurement techniques using Advance Survey Instruments.
- To give participants hands-on experience in using advance surveying instruments.

Trainer: Mr. Mahesh Kumar Patidar

Activity: Practical training with Advance Survey Instruments .

Description: The session focused on the practical use of the Digital Theodolite. Participants learned how to measure angles, determine coordinates, and conduct precise surveys using the instrument.

Participation and Engagement

The workshop saw enthusiastic participation from the B.Tech 2nd year Civil Engineering students. The hands-on sessions were particularly well-received, with students actively engaging in the practical exercises and demonstrating a keen interest in mastering the survey instruments.

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Conclusion

The "Working with Advanced Survey Instruments" workshop was a resounding success, achieving its objective of providing comprehensive training on advanced survey instruments. The Civil Engineering Department received positive feedback from participants, who appreciated the blend of theoretical knowledge and practical experience. The workshop has undoubtedly enhanced the students' skills and preparedness for future professional challenges in the field of civil engineering.

Co-Ordinator

Mr. Kapil Kushwah

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A Report

on

One day Workshop on Job Preparation on CNC Machine

Dated

05/01/2022

Academic Session 2021-22

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Report

On

"Job Preparation on CNC Machine"

Organized by: Mechanical Engineering Department, Swami Vivekanand College of Engineering

Date: 05/01/2022

Participant: B. Tech Final Year Students

Introduction

The workshop on "Job Preparation on CNC Machine" was held on 05/01/2022 at CNC Lab. It was aimed at providing participants with hands-on experience and theoretical knowledge required for efficient job preparation on CNC (Computer Numerical Control) machines. The workshop covered various aspects of CNC machining, including programming, machine setup, tool selection, and safety measures.

Objectives:

1. To understand the basics of CNC machining.
2. To learn the process of job preparation and setup on CNC machines.
3. To gain proficiency in CNC programming.
4. To familiarize with safety protocols and best practices in CNC machining.

Speaker: Mr. Vishal Wankhde

Activity: Practical training with Job Operation on CNC Machine.

Description: The session focused on the practical application of CNC Machine. Participants learned how to assembly parts.

Participation and Engagement

1. Introduction to CNC Machines:

view of CNC technology and its evolution.

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Types of CNC machines and their applications in various industries.

Advantages of CNC machining over traditional machining.

2. CNC Programming Basics :

Understanding G-code and M-code.

Writing simple CNC programs.

Simulation of CNC programs using software.

3. Job Preparation and Machine Setup

Steps for job preparation: from CAD design to CNC machining.

Selecting the right tools and materials.

Setting up the workpiece and machine calibration.

Loading and verifying CNC programs on the machine.

4. Practical Session

Hands-on experience in setting up a CNC machine.

Running a CNC program to produce a part.

Troubleshooting common issues in CNC machining.

5. Safety Measures and Best Practices

Importance of safety in CNC machining.

Personal protective equipment (PPE) and machine safety features.

Routine maintenance and inspection of CNC machines.

Best practices for efficient and safe CNC operations.

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Conclusion

The "Job Preparation on CNC Machine" workshop successfully achieved its objectives of imparting essential knowledge and skills related to CNC machining. The positive feedback from participants indicates a high level of satisfaction and interest in further advanced workshops.

Report Prepared by:

Mr. Vishal Wankhde
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Report

on

" Engine Assembly & Disassembly"

Organized by: Mechanical Engineering Department, Swami Vivekanand College of Engineering

Date: 02/03/2022

Participant: B. Tech Third Year Students

Introduction

The Mechanical Engineering Engineering Department of Swami Vivekanand College of Engineering successfully organized a two-day workshop titled **"Engine Assembly & Disassembly"** on March 2nd 2022.

Objectives

The objectives of the workshop were:

1. To familiarize participants with the various components of an I.C. engine.
2. To provide hands-on experience in assembling and dismantling I.C. engines.
3. To enhance understanding of the functioning and maintenance of I.C. engines.
4. To promote teamwork and collaboration among participants.

Speaker: Mr. Ajay Bhargawa

Activity: Practical training with engine.

Description: The session focused on the practical application of engine parts. Participants learned how to assembly parts.

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Participation and Engagement

The workshop saw enthusiastic participation from the B. Tech 3rd year Mechanical Engineering students. The hands-on sessions were particularly well-received, with students actively engaging in the practical exercises and demonstrating a keen interest in engine parts.

Conclusion

The workshop successfully achieved its objectives, providing participants with:

1. Comprehensive knowledge about I.C. engine components and their functions.
2. Hands-on experience in the assembly and dismantling process.
3. Enhanced skills in engine maintenance and troubleshooting.
4. Increased confidence in handling mechanical tools and equipment.

Report Prepared by:

Mr. Ajay Bhargawa
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A Report

on

One day Workshop on Computer Hardware and Network

Dated

01/04/2022

Academic Session 2021-22

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Report

On

“Computer Hardware and Network”

Organized by: Computer Science EngineeringDepartment, Swami Vivekanand College of Engineering

Date: 01/04/2022

Participant: Computer Science Engineering Students.

Introduction

The Computer Science Engineering Department of Swami Vivekanand College of Engineering successfully organized a one-day workshop titled **“Computer Hardware and Network"** on April 1st, 2022. This workshop was conducted under guidance of faculty member and lab technician. This workshop was based on organization and architecture of computer.

Objectives

- To understand the principles of computing and its evolution over time.
- To identify the main components of a computer.
- To understand the complexity of operating systems.

Instructor: Anand Kushwah (Lab Technician)

ActivityDescription: The information about the physical components of PC hardware, and the fundamental ideas of information technology (IT)and memories, the processing, and executionof computer software programs and applications. In addition to operating systems, and the usefulness and ways of using data networks in computing and the Internet.

- Introduction of Hardware and Software/components of computer.
- Mother boards, Chipsets & Microprocessor concept & latest available in market. Basics & types of Floppy drive/HDD/DVD/RAM /SMPS/ /BIOS etc
- Handling & Holding sensitive equipments, Installing Motherboards, Choosing Cabinet & Cooling considerations, Installing CPU.
- Assembling of different parts of computers.

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Participation and Engagement: The workshop saw enthusiastic participation from the B.Tech 2nd year Computer Science Engineering students. This workshop was conducted under the guidance of faculty member and lab technician.

Conclusion: The "**Computer Hardware and Network**" workshop was a resounding success, achieving its objective of providing comprehensive training on computer components. The Computer Science Engineering Department received positive feedback from participants. The workshop has undoubtedly enhanced the student's skills and prepare them for future professional challenges in the field of Computer Science Engineering. After attending workshop, students will able to learn:

- Describe Network system
- Discuss the Input and Output Devices
- Explain the concept of Computer Hardware
- Explain the concept of Computer Software

Workshop Co-ordinator:

Mrs. Priya Sen
Asst. Professor, CSE

Swami Vivekanand College of Engineering, Indore

A Report

on

One day Workshop on Computer Networking

Dated

10/03/2022

Academic Session 2021-22

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Report

On

One day workshop on "Computer Networking"

Organized by: Electronics and Communication Engineering Department, Swami Vivekanand College of Engineering

Date: 10/03/2022

Participant: B.Tech ECE 4th Year Students.

Introduction

The Electronics and Communication Engineering Department of Swami Vivekanand College of Engineering successfully organized a one-day workshop titled **"Computer Networking"** on 10 March 2022. The workshop focused on equipping attendees with the knowledge and skills necessary to design, implement, and manage computer networks effectively.

Objectives

The objectives of the workshop were:

- Introduce the fundamental concepts of computer networking.
- Explain the architecture and functioning of various network types, including LAN, WAN, and wireless networks.
- Provide hands-on experience with networking tools and software.
- Discuss current trends and challenges in network security.

Instructor: By Delegates of NETWORXX

Activity:

The workshop included a mix of theoretical lectures and practical sessions. Key activities included:

nteractive Lectures: Presentations and discussions on core networking conc

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- Lab Sessions: Participants worked in teams to set up and configure network devices in a simulated environment.
- Case Studies: Real-world scenarios were presented for participants to analyze and propose solutions.
- Q&A Sessions: Open forums for participants to ask questions and discuss networking challenges.

Description: The workshop was structured to focusing on different aspects of computer networking. Participants were first introduced to networking basics, covering fundamental concepts, protocols, and models such as OSI and TCP/IP. This was followed by an overview of essential network devices, including routers, switches, and hubs. The next module delved into IP addressing and subnetting, offering detailed explanations and exercises on IP addressing schemes, subnet masks, and CIDR notation. Participants then engaged in practical sessions on network configuration, where they set up and configured various network devices.

Participation and Engagement

The workshop saw enthusiastic participation from the B.Tech 4th year Electronics and Communication Engineering students. The hands-on sessions were particularly well-received, with students actively engaging in the practical exercises and demonstrating a keen interest in Computer networking and security aspects.

Conclusion

The workshop successfully achieved its objectives, with participants demonstrating a solid understanding of basic networking concepts and practical skills. Attendees showed improved confidence in configuring and troubleshooting network devices and gained enhanced awareness of network security practices. The workshop identified areas for future sessions, such as advanced networking and specific technologies like NS-2. Overall, the workshop was a significant step forward in participants' networking knowledge and capabilities.

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Event Coordinator

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A Report

on

One day Workshop on Electrical Wiring

Dated

21/11/2021

Academic Session 2021-22

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Report

On

"Electrical Wiring"

Organized by: Electrical & Electronics Engineering Department, Swami Vivekanand College of Engineering

Date: 21/11/2021

Participant: B.Tech 1st Year Students.(CS, IT)

Introduction

With aim of understanding the electrical system and identifying electrical wiring, schematic electrical symbols, conductors and conductor sizes Electrical & Electronics Engineering Department of SVCE has successfully conducted a one day workshop on "Electrical house wiring" on 21/11/2021 for the students B. Tech first year.

Objectives

- To enhance the knowledge of students in basics or electrical wiring.
- To provide hands-on training and practical experience electrical connection in house wiring.
- To equip students with the necessary skills to handle basic electrical instruments like ammeter voltmeter, multimeter, tester, etc.

Speaker: Mr. Hemendra khedekar

Activity: Hands on electrical connections.

Description: The session focused on the identification of electrical wiring schematic electrical symbols, conductors and conductor sizes. Also hands on installation of electrical boxes, switches, recessed lighting and ballast.

Participation and Engagement

The workshop saw enthusiastic participation from the B.Tech 1st year students(CS, IT). The hands-on sessions were particularly well-received, with students actively engaging in the rcises and demonstrating a keen interest in basic uses of electrical instı

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Conclusion

The student will be able to:

- Understand the electrical system and demonstrate the various installation methods.
- Explain and identify electrical wiring schematic electrical symbols, conductors and conductor sizes.
- Identify and install electrical boxes, switches, recessed lighting and ballast.
- Identify and demonstrate branch circuit, master bedroom, bedroom, and bathroom circuit.

Report Prepared by:

Ms. Manisha Gaur
Asst. Professor, EXD
Swami Vivekanand College of Engineering

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A Report

on

One day Workshop on Electrical Wiring

Dated

21/03/2022

Academic Session 2021-22

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Report

On

"Electrical Wiring"

Organized by: Electrical & Electronics Engineering Department, Swami Vivekanand College of Engineering

Date: 21/03/2022

Participant: B.Tech 1st Year Students.(EX, ME, EC)

Introduction

With aim of understanding the electrical system and identifying electrical wiring, schematic electrical symbols, conductors and conductor sizes Electrical & Electronics Engineering Department of SVCE has successfully conducted a one day workshop on "Electrical house wiring" on 21/03/2022 for the students B. Tech first year**.**

Objectives

- To enhance the knowledge of students in basics or electrical wiring.
- To provide hands-on training and practical experience electrical connection in house wiring.
- To equip students with the necessary skills to handle basic electrical instruments like ammeter voltmeter, multimeter, tester, etc.

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Conclusion

The student will be able to:

- Understand the electrical system and demonstrate the various installation methods.
- Explain and identify electrical wiring schematic electrical symbols, conductors and conductor sizes.
- Identify and install electrical boxes, switches, recessed lighting and ballast.
- Identify and demonstrate branch circuit, master bedroom, bedroom, and bathroom circuit.

Report Prepared by:

Ms. Manisha Gaur
Asst. Professor, EXD
Swami Vivekanand College of Engineering

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A Report

on

One day Seminar on Career Awareness

Dated

29/12/2021

Academic Session 2021 - 2022

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Report

On

One day Seminar on "Career Awareness"

Organized by: Masters of Business Administration Department, Swami Vivekanand College of Engineering

Date: December 29, 2021

Participants: Masters of Business Administration Students

Introduction: The one-day seminar on Career Awareness aimed to provide participants, especially students and young professionals, with insights into various career paths, the skills required for success, and strategies for effective career planning. The event featured career counsellors, industry experts, and motivational speakers who shared their knowledge and experiences.

Objectives: The objectives of the seminar were:

- It Focuses on providing an overview of various career paths in sectors such as healthcare, technology, finance, creative arts, and engineering.
- Understanding personal interests, strengths, and values, building professional relationships and seeking mentorship opportunities.
- **Speaker: Mr. Gaurav Somani, Director – Finoptions Institute of Financial Studies Pvt. Ltd.**

Activity Description: The seminar comprised a detailed online presentation by Mr. Gaurav Somani, followed by an interactive Q&A session. Key topics covered included:

- The importance of continuous education and skill development.
- Building professional relationships and seeking mentorship opportunities.
- Building resilience and staying motivated in the face of setbacks.
- Focusing on the evolving job market trends, the impact of technology on various industries, and the importance of adaptability in the future workplace.

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Participation & Engagement: The seminar saw active participation from all attendees. Students were highly engaged during the presentation, taking notes and asking pertinent questions. The Q&A session was particularly lively, with students seeking clarifications and deeper insights into various aspects of career awareness.

Conclusion: The Career Awareness Seminar provided participants with valuable knowledge and practical tools to navigate their career paths effectively. Key takeaways included the importance of adaptability in the future job market, the need for continuous skill development, and the value of strategic career planning. The seminar also emphasized the importance of networking and building professional relationships as crucial elements for career success.

Jyoti

Seminar Co-Ordinator

Mrs. Jyoti Jayaswal

Assistant Professor, MBA

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Swami Vivekanand College of Engineering, Indore

A Report

on

One day Seminar on Training Program & Mock Interview

Dated

09/04/2022

Academic Session 2021 - 2022

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Swami Vivekanand College of Engineering, Indore

Report

On

One day Seminar on "Training Program & Mock Interview Preparation"

Organized by: Masters of Business Administration Department, Swami Vivekanand College of Engineering

Date: April 09, 2022

Participants: Masters of Business Administration Students

Introduction: Training programs and mock interviews are essential components of professional development, aimed at enhancing skills, preparing candidates for real-world scenarios, and improving interview performance. This report explores the importance of training programs and provides guidance on mock interview preparation.

Objectives: The objectives of the seminar were:

- It Focuses on acquiring expertise in enhancing communication skills, Teamwork, Problem Solving for professional success.
- To prepare individuals for managerial or leadership roles through coaching, mentorship, and skill-building exercises.

Speaker: Mr. Aamir Qureshi, Taran deep Singh Arora - Assistant Professor.

Activity Description: The seminar comprised a detailed online presentation by Mr. Aamir Qureshi, followed by an interactive Q&A session. Key topics covered included:

- To prepare the answers to common interview questions and behavioural questions, focusing on examples that demonstrate skills and accomplishments.
- Seek constructive feedback from mentors, career advisors, or peers who can provide insights into areas for improvement.

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- Practice for remote or video interviews, paying attention to technical setup, background, and communication through digital platforms

Participation & Engagement: The seminar saw active participation from all attendees. Students were highly engaged during the presentation, taking notes and asking pertinent questions. The Q&A session was particularly lively, with students seeking clarifications and deeper insights into various aspects of Interview Preparations.

Conclusion: The seminar successfully met its objectives by providing students with a comprehensive understanding. Training programs and mock interview preparation are instrumental in enhancing professional skills, preparing candidates for career advancement, and improving interview performance. By investing in structured training initiatives and practicing mock interviews, individuals can develop competence, confidence, and readiness to excel in competitive job markets. This report outlines the importance of training programs and provides practical guidance on preparing for mock interviews, emphasizing their role in professional development and career success.

Jyoti

Seminar Co-Ordinator

Mrs. Jyoti Jayaswal

Assistant Professor, MBA

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A Report

on

Process of Patent

Dated

06/12/2021

Academic Session 2021-22

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Swami Vivekanand College of Engineering, Indore

Report on

"Process of Patent"

Organized By:- Swami Vivekanand College of Engineering, IPR Cell

Date:- 06th December 2021

Participants:- B.Tech/M.Tech Students

Introduction: The process of obtaining a patent involves preparing and filing a detailed application with a patent office, where it is examined for novelty, non-obviousness, and industrial applicability. Upon successful examination, a patent is granted, giving the inventor exclusive rights to their invention for a specified period. This protection prevents others from using, making, or selling the invention without permission.

Objectives: The objectives of the seminar were:

- To educate students about the fundamental concepts and importance of patents.
- To provide a comprehensive understanding of the patent application process.
- To highlight the legal and procedural aspects of obtaining a patent.

Speaker

The seminar was graced by Dr. Pradeep Patil, a renowned expert in Intellectual Property Rights. Dr. Patil holds a Ph.D. in Intellectual Property Law and has extensive experience in the field of patents. His vast knowledge and engaging presentation style made him the ideal speaker for this seminar.

Description

The seminar commenced at 10:00 AM in the Engineering Seminar Hall, Room No. 217. Dr. Pradeep Patil began by introducing the concept of Intellectual Property Rights, emphasizing the significance of patents in safeguarding innovations. He provided a detailed explanation of the patenting process, covering the following key points:

- **Introduction to Patents**: Definition, types, and importance of patents.
- **Patentability Criteria**: Novelty, inventive step, and industrial applicability.
- **Patent Application Process**: Step-by-step guide from invention disclosure to filing a patent application.
- **Patent Examination**: Overview of the examination process, including prior art search and substantive examination.
- **Patent Grant**: Conditions for patent grant and post-grant procedures.

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Participation and Engagement

The seminar witnessed enthusiastic participation from both B.Tech and M.Tech students. Students attended the event, actively engaging with the speaker through questions and discussions. Dr. Patil's interactive approach encouraged students to clarify their doubts and share their perspectives on the patenting process. The Q&A session at the end of the seminar was particularly lively, with students posing insightful questions about their own innovative ideas and potential patent applications.

Conclusion

The seminar on the "Process of Patent" was a resounding success, achieving its objectives of educating and inspiring engineering students. Dr. Pradeep Patil's expertise and dynamic presentation significantly enhanced the students' understanding of patents and the patenting process. The event not only provided valuable knowledge but also motivated students to pursue their innovative ideas with confidence, knowing the protection patents can offer. Swami Vivekanand College of Engineering looks forward to organizing more such informative events in the future to continue fostering a culture of innovation and intellectual property awareness among its students.

Event Coordinator

Mr. Vikas Joshi

Assistant Professor, SVCE Indore

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A Report

on

Research Paper Writing

Dated

12/01/2022

Academic Session 2021-22

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Report on

"Research Paper Writing"

Organized By:- Swami Vivekanand College of Engineering, IPR Cell

Date:- 12th Jan 2022

Participants:- B.Tech/M.Tech Students

Introduction:- Research paper writing is a structured process that involves presenting original findings and insights on a specific topic. It requires a clear and concise formulation of research questions, thorough literature review, meticulous data collection, and rigorous analysis. Effective writing also includes logical organization, proper citation of sources, and adherence to academic standards, ensuring the work contributes meaningfully to the field of study.

Objectives: The objectives of the seminar were:

- To educate students on the essentials of writing a research paper.
- To provide detailed insights into structuring, formatting, and presenting research findings effectively.
- To encourage students to contribute to academic and industrial research through high-quality papers.

Speaker

Mr. Hemendra Khededkar, an esteemed academic and experienced researcher, was the speaker for the seminar. With a profound knowledge of research methodologies and a significant portfolio of published papers, Mr. Khededkar brought valuable insights to the attendees. His expertise provided practical guidance on overcoming common challenges faced during the research and writing process.

Description

The seminar began with a brief introduction to the importance of research in engineering and the critical role of research papers in disseminating knowledge. Mr. Khededkar elaborated on various components of a research paper, including the abstract, introduction, literature review, methodology, results, discussion, and conclusion. He also emphasized the importance of proper citation and avoiding plagiarism.

Mr. Khededkar provided a step-by-step guide on how to choose a research topic, formulate research questions, conduct literature reviews, and collect and analyze data. He also discussed different styles of writing and formatting required by various academic journals.

n and Engagement

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The seminar saw enthusiastic participation from both B.Tech and M.Tech students. The attendees actively engaged with the speaker, asking questions and seeking clarification on various aspects of research paper writing. Interactive sessions, including group discussions and real-life examples, kept the students involved and made the learning experience more practical and relevant.

Conclusion

The seminar on "Research Paper Writing" was a resounding success, equipping students with essential knowledge and skills for their academic and professional growth. The insights provided by Mr. Hemendra Khededkar were invaluable, offering practical guidance on navigating the complexities of research and publication. The event underscored the importance of intellectual property rights and encouraged students to contribute to the academic community through well-crafted research papers. Overall, the seminar was a significant step towards fostering a robust research culture at Swami Vivekanand College of Engineering.

Event Coordinator

Mr. Kapil Kushwah

Assistant Professor, SVCE Indore

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A Report

On

One day Seminar on Cyber Security

Dated

16/11/2021

Academic Session 2021-22

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Report

On

One day Seminar on "Cyber Security"

Organized by: Information Technology Department, Swami Vivekananda College of Engineering

Date: November 16, 2021

Participants: Information Technology Students

Introduction: On [16/11/2021], Swami Vivekananda College of Engineering hosted a Cyber Security Seminar tailored for students, aiming to address the escalating challenges of cyber threats in today's digital age. The seminar served as a platform to equip students with essential knowledge and skills to navigate cyberspace safely and responsibly.

Objectives: The objective of the seminar was to educate students about the fundamental principles of cyber security, raise awareness regarding potential risks and threats online, and empower them with practical strategies to protect their personal information and digital assets.

Speaker: Mr Gourav Rawal

Activity Description: The seminar began with an introductory session by Mr Gourav Rawal setting the stage by highlighting the importance of cyber security in our interconnected world. The presentations followed, covering topics such as cyber threats (e.g., phishing, malware, and social engineering), importance of strong passwords and encryption, secure internet browsing habits, and the significance of software updates.

Interactive workshops were conducted where students participated in hands-on activities like identifying phishing emails, creating secure passwords, and understanding the implications of sharing personal information online. Case studies of recent cyber-attacks were discussed to provide practical insights into the consequences of inadequate cyber security measures.

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A panel discussion brought together to delve deeper into emerging trends in cyber threats and discuss effective strategies for cyber defense. The session concluded with practical tips and resources for students to further enhance their cyber security practices.

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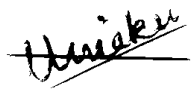
Participation & Engagement: Throughout the seminar, student engagement was actively encouraged through interactive sessions, group discussions, and Q&A segments. Attendees enthusiastically participated in discussions, posed thoughtful questions to speakers and panellists, and shared personal experiences related to cyber security incidents they or someone they knew had faced. This high level of engagement not only enhanced the learning experience but also underscored the relevance and importance of the seminar's topics to the participants.

Conclusion: In conclusion, the Cyber Security Seminar proved to be a valuable educational experience for students, equipping them with critical knowledge and skills to protect themselves in the digital realm. Participants gained a deeper understanding of cyber threats and their implications, as well as practical tools to implement cyber security best practices in their everyday digital interactions.



Event Co-Ordinator

Ms Meenakshi Prajapati
Assistant Professor, IT

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A Report

on

Two days Workshop on Working with Advance Survey Instruments

Dated

09/03/2021 – 10/03/2021

Academic Session 2020 - 21

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Report

On

"Working with Advanced Survey Instruments"

Organized by: Civil Engineering Department, Swami Vivekanand College of Engineering

Date: 09/03/2021 & 10/03/2021

Participants: B.Tech 2nd Year Students.

Introduction

The Civil Engineering Department of Swami Vivekanand College of Engineering successfully organized a two-day workshop titled **"Working with Advanced Survey Instruments"** on March 9th and 10th, 2021. The workshop aimed to provide participants with a comprehensive understanding of advanced survey instruments through hands-on activities and practical exercises.

Objectives

- To enhance the knowledge of participants on advanced survey instruments.
- To provide hands-on training and practical experience with Total Station and Digital Theodolite.
- To equip students with the necessary skills to handle survey instruments carefully and effectively.

Trainer: Mr. Vikas Joshi

Activity: Practical training with Digital Theodolite.

Description: The session focused on the practical use of the Digital Theodolite. Participants learned how to measure angles, determine coordinates, and conduct precise surveys using the instrument.

Participation and Engagement

The workshop saw enthusiastic participation from the B.Tech 2nd year Civil Engineering students. The hands-on sessions were particularly well-received, with students actively engaging in the practical exercises and demonstrating a keen interest in mastering the survey

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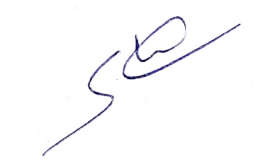
Conclusion

The "Working with Advanced Survey Instruments" workshop was a resounding success, achieving its objective of providing comprehensive training on advanced survey instruments. The Civil Engineering Department received positive feedback from participants, who appreciated the blend of theoretical knowledge and practical experience. The workshop has undoubtedly enhanced the students' skills and preparedness for future professional challenges in the field of civil engineering.



Co-Ordinator

Mr. Sharad Chauraisa

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A Report

on

One day Workshop on Computer Hardware and Network

Dated

01/04/2021

Academic Session 2020-21

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Report

On

"Computer Hardware and Network"

Organized by: Computer Science EngineeringDepartment, Swami Vivekanand College of Engineering

Date:01/04/2021

Participant: Computer Science Engineering Students.

Introduction

The Computer Science Engineering Department of Swami Vivekanand College of Engineering successfully organized a one-day workshop titled **"Computer Hardware and Network"** on April 1st, 2021. This workshop was conducted under guidance of faculty member and lab technician. This workshop was based on organization and architecture of computer.

Objectives

- Understand the principles of computing and its evolution over time.
- Identify the main components of a computer.
- Understand the complexity of operating systems.

Instructor: Anand Kushwah (Lab Technician)

ActivityDescription: The information about the physical components of PC hardware, and the fundamental ideas of information technology (IT)and memories, the processing, and execution of computer software programs and applications. In addition to operating systems, and the usefulness and ways of using data networks in computing and the Internet.

- Introduction of Hardware and Software/components of computer.
- Mother boards, Chipsets & Microprocessor concept & latest available in market. Basics & types of Floppy drive/HDD/DVD/RAM /SMPS/ /BIOS etc
- Handling & Holding sensitive equipments, Installing Motherboards, Choosing Cabinet & Cooling considerations, Installing CPU.
- Assembling of different parts of computers.

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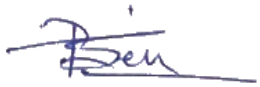
Participation and Engagement: The workshop saw enthusiastic participation from the B.Tech 2nd year Computer Science Engineering students. This workshop was conducted under the guidance of faculty member and lab technician.

Conclusion: The "**Computer Hardware and Network**" workshop was a resounding success, achieving its objective of providing comprehensive training on computer components. The Computer Science Engineering Department received positive feedback from participants. The workshop has undoubtedly enhanced the student's skills and prepare them for future professional challenges in the field of Computer Science Engineering. After attending workshop, students will able to learn:

- Describe network system
- Discuss the Input and Output Devices
- Explain the concept of Computer Hardware
- Explain the concept of Computer Software



Workshop Co-ordinator:

Mrs. Priya Sen
Asst. Professor, CSE

Swami Vivekanand College of Engineering, Indore

A Report

on

One day Seminar on Web Development

Dated

08/10/2020

Academic Session 2020-21

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Report

On

One day Seminar on "Web Development"

Organized by: Information Technology Department, Swami Vivekananda College of Engineering

Date: October 08, 2020

Participants: Information Technology Students

Introduction: The Web Development Seminar was conducted on [08/10/2020] with the aim of enhancing participants' understanding of modern web technologies and trends. It was organized by IT Department and featured speakers renowned in the field of web development. The seminar aimed to explore current trends, technologies, and best practices in web development.

Objectives: The objectives of the seminar were:

- To educate participants about the latest trends and technologies in web development.
- To provide practical insights and skills that can be applied in real-world web projects.
- To foster networking and collaboration among web developers, designers, and industry experts.
- To inspire attendees to innovate and adopt best practices in their web development endeavors.

Speaker: Mr Gajendra Singh Chouhan

Activity Description: The seminar featured expert speakers from leading tech companies and web development agencies. Topics covered included:

- Overview of modern web technologies (HTML5, CSS3, JavaScript frameworks)
- Responsive web design principles
- Server-side scripting languages (PHP, Python, Node.js)
- luction to web accessibility and usability standards

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- SEO best practices for web developers
- Introduction to web security and data protection measures

.

Participation & Engagement: The seminar witnessed active participation from professionals, students, and enthusiasts from diverse backgrounds. Attendees engaged enthusiastically during sessions, contributing to interactive discussions and Q&A segments. The event successfully promoted networking among participants, creating a conducive environment for knowledge exchange and collaboration.

Conclusion: In conclusion, the web development seminar proved to be a valuable learning experience for all participants. The insights gained from the sessions will undoubtedly help attendees enhance their skills and stay updated in the rapidly evolving field of web development. The event successfully achieved its objectives of knowledge dissemination and community building within the web development industry.

Event Co-Ordinator

Ms. Chandramala Amarji

Assistant Professor, IT

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A Report

on

Online Webinar on Green HRM

Dated

08/05/2021

Academic Session: 2020 - 2021

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Report

On

Online Webinar on "Green HRM"

Organized by: Masters of Business Administration Department, Swami Vivekanand College of Engineering

Date: May 08, 2021

Participants: MBA - Students

Introduction: Green Human Resource Management (Green HRM) is an emerging paradigm that integrates environmental management into human resource management. This approach aims to create a sustainable workplace by aligning HR policies and practices with ecological goals. Green HRM encompasses recruiting, training, performance management, and employee engagement strategies that promote environmental sustainability.

Objectives: The objectives of the seminar were:

- To cultivate a culture of sustainability among employees.
- To minimize the ecological footprint of organizational operations.
- To encourage practices that support long term ecological balance, to ensure adherence to environmental regulations & standards.

Speaker: Ms. Krati Atre – HR Generalist – Mind ruby Technologies

Activity Description: The Webinar comprised a detailed presentation by Ms. Krati atre, followed by an interactive Q&A session. Key topics covered included:

- Employee Involvement & Engagement, Green Teams.
- Organizing events & activities to promote environmental awareness, Sustainable workplace practices, Resource Conservation.
- Step-by-step explanation of the Green HRM Process.
- Recognition Programs, Acknowledging & celebrating employee contributions to inability initiatives.

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- Green Compensation & Rewards, Green Goals & targets, Environmental performance indicators.

Participation & Engagement: The seminar saw active participation from all attendees. Students were highly engaged during the presentation, taking notes and asking pertinent questions. The Q&A session was particularly lively, with students seeking clarifications and deeper insights into various aspects of Green HRM.

Conclusion: The Webinar successfully met its objectives by providing students with a comprehensive understanding of the Green HRM. Green HRM is a strategic approach that aligns human resource practices with environmental sustainability goals. By integrating green principles into recruitment, training, performance management, and employee engagement, organizations can create a sustainable and eco-friendly workplace. Despite challenges, the benefits of Green HRM, including enhanced corporate image, cost savings, and improved employee satisfaction, make it a valuable practice for forward-thinking organizations. Adopting Green HRM practices not only contributes to environmental conservation but also positions companies as leaders in corporate social responsibility.

Webinar Co-Ordinator

Jyoti

Mrs. Jyoti Jayaswal

Assistant Professor, MBA

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A Report

on

One day Webinar on Career Opportunities in Foreign Countries

Dated

15/05/2021

Academic Session 2020 - 2021

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Report

On

One day Webinar on "Career Opportunities in Foreign Countries"

Organized by: Masters of Business Administration Department, Swami Vivekanand College of Engineering

Date: May 15, 2021

Participants: Masters of Business Administration Students

Introduction: The webinar, titled "Exploring Career Opportunities in Foreign Countries," aimed to provide participants with insights into the benefits, challenges, and strategies for pursuing careers abroad. The event featured industry experts, career coaches, and expatriates who shared their experiences and advice.

Objectives: The objectives of the seminar were:

- It Focuses on skill enhancement with professional growth, career advancement.
- Develop a deep understanding of different cultures, Personal enrichment, Language acquisition.
- **Speaker: Ms. Ritu Zopey, Project Engineer in Network Swindon (UK).**

Activity Description: The seminar comprised a detailed online presentation by Ms. Ritu Zopey, followed by an interactive Q&A session. Key topics covered included:

- To Understand & learn & adopt best practices from leading industries & companies around the world.
- Build a global network of professional contacts, which can lead to new job opportunities & collaborations.
- Pursue specialized roles or industries that may be more prominent or developed in certain countries.
- Fulfilling personal desires to explore new parts of the world & live in the different environment.

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Participation & Engagement: The seminar saw active participation from all attendees. Students were highly engaged during the presentation, taking notes and asking pertinent questions. The Q&A session was particularly lively, with students seeking clarifications and deeper insights into various aspects of career opportunities in foreign countries.

Conclusion: This report outlines the conclusion, career opportunities in foreign countries represent a valuable avenue for growth in an interconnected world. For professionals seeking to expand their horizons and achieve new milestones, the benefits far outweigh the challenges, making the endeavors well worth pursuing. The experience of working abroad not only contributes to individual growth but also enriches professional trajectories, making it a highly rewarding endeavors for those willing to embrace the challenges and opportunities it presents

Jyoti

Seminar Co-Ordinator

Mrs. Jyoti Jayaswal

Assistant Professor, MBA

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A Report

on

One day Webinar on Marketing & Career Tips

Dated

22/05/2021

Academic Session 2020 - 2021

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Report

On

One day Webinar on "Marketing & Career Tips"

Organized by: Masters of Business Administration Department, Swami Vivekanand College of Engineering

Date: May 22, 2021

Participants: Masters of Business Administration Students

Introduction: In today's dynamic professional landscape, effective marketing skills are crucial for career advancement. Whether you're just starting or looking to enhance your current position understanding key marketing principles and career strategies can significantly boost your success. This report aims to provide valuable insights into both areas.

Objectives: The objectives of the seminar were:

- To enhance students' knowledge of the marketing tips.
- To navigate the evolving marketing landscape to advance the career of students.
- To achieve the desired goals & thrive in today's competitive market.

Speaker: Mr. Rajesh Shivhare, Territory Manager at Mahindra & Mahindra Ltd., Indore.

Activity Description: The seminar comprised a detailed online presentation by Mr. Rajesh Shivhare, followed by an interactive Q&A session. Key topics covered included:

- In addition to technical skills, develop strong communication, leadership, and problem-solving abilities.
- Define short-term and long-term career goals. Create a plan with actionable steps to achieve these goals.
- Regularly evaluate your progress and make adjustments as needed.
- Attend industry events, join professional organizations, and connect with peers and ors.

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Participation & Engagement: The seminar saw active participation from all attendees. Students were highly engaged during the presentation, taking notes and asking pertinent questions. The Q&A session was particularly lively, with students seeking clarifications and deeper insights into various aspects of marketing & current trends of marketing strategies.

Conclusion: The seminar successfully met its objectives by providing students with a comprehensive understanding of marketing & how to build up the career in the field of marketing. Understanding your audience, leveraging digital tools, and continuously developing your skills, you can navigate the evolving marketing landscape and advance your career. Incorporate these tips into your professional journey to achieve your goals and thrive in today's competitive environment.

Jyoti

Webinar Co-Ordinator

Mrs. Jyoti Jayaswal

Assistant Professor, MBA

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Swami Vivekanand College of Engineering, Indore

A Report

on

One day Seminar on Sewage Treatment Plant

Design

Dated

07/08/2019

Academic Session 2019-20

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Report

On

One day Seminar on Sewage Treatment Plant Design

Organized by: Civil Engineering Department

Date: 07/08/2019

Participants: Civil Engineering Students

Introduction: Sewage treatment plant design is a critical aspect of environmental engineering, focusing on the removal of contaminants from wastewater to produce treated effluent suitable for discharge or reuse. This process involves a series of physical, chemical, and biological treatment stages designed to efficiently reduce pollutants and protect public health and the environment. Modern designs incorporate advanced technologies to enhance treatment efficiency, sustainability, and regulatory compliance. Effective sewage treatment plant design not only ensures the safe management of wastewater but also contributes to resource recovery and environmental conservation.

Objectives: The objectives of the seminar were:-

- To understand the fundamental principles and components involved in sewage treatment plant design.
- To encourage active participation and engagement among students through interactive sessions.

Speaker: The seminar was conducted by Mr. KK Shrivastava, Project Head, Global Environmental Consultant & Secretary IWWA Gwalior.

Activity Description

Seminar Details:

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KHANDWA ROAD, INDORE

Date: 07/08/2019

Time: 12:30 PM - 01:30 PM

Venue: Auditorium, Swami Vivekanand College of Engineering, Indore.

Seminar Content:

Mr. KK Shrivastava began the seminar with an introduction to the importance of sewage treatment and its impact on public health and the environment. He briefed about the latest technology used in STP design, Basic design consideration, Design period, Planning and aware of the student about SewerGEMS the software of Sewer Network Design. He then outlined the key components of a sewage treatment plant, including preliminary treatment, primary treatment, secondary treatment, and tertiary treatment.

Participation and Engagement

The seminar witnessed active participation from all civil engineering students. The interactive sessions allowed students to ask questions and engage in discussions with Mr. Shrivastava. The students were enthusiastic and displayed a keen interest in the topic, contributing to a lively and informative session.

Conclusion

The seminar on Sewage Treatment Plant Design was highly successful in achieving its objectives. It provided students with a comprehensive understanding of the design and operation of sewage treatment plants and highlighted the significance of sustainable water management practices. The knowledge gained from this seminar will undoubtedly be beneficial for the students in their academic and professional pursuits.

Event Co-Ordinator

Mr. Sharad Chaurasia

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Swami Vivekanand College of Engineering, Indore

A Report

on

One day Workshop on Lathe Operations on CNC Machine

Dated

20/12/2019

Academic Session 2019-20

PRINCIPAL
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Swami Vivekanand College of Engineering, Indore

Report

On

"Lathe Operations on CNC Machine"

Organized by: Mechanical Engineering Department, Swami Vivekanand College of Engineering

Date: 20/12/2019

Participant: Diploma Second Year Students

Introduction

The Mechanical Engineering Engineering Department of Swami Vivekanand College of Engineering successfully organized a one-day workshop titled **"Workshop on Lathe Operations on CNC Machine"** on December 20th 2019.

Objectives:

- To familiarize participants with the basic concepts and components of CNC lathe machines.
- To provide hands-on experience in operating CNC lathe machines.
- To demonstrate various lathe operations including turning, facing, threading, and boring.
- To highlight the advantages of using CNC machines over traditional manual lathes.

Speaker: Mr. Rahul Joshi

Activity: Practical training with Lath Operation on CNC Machine engine.

Description: The session focused on the practical application of CNC Machine. Participants learned how to assembly parts.

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Participation and Engagement

The workshop saw enthusiastic participation from the Diploma 2nd year Mechanical Engineering students.

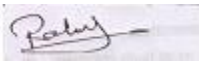
Morning Session: Practical Session on CNC Lathe Setup: Mounting Workpieces, Tool Selection, and Calibration Basic Lathe Operations: Turning and Facing

Afternoon Session: Advanced Lathe Operations: Threading and Boring Troubleshooting Common Issues in CNC Machining Real-Time Programming and Simulation Exercises

Conclusion

By the end of the workshop, participants were expected to:

- Understand the fundamental principles of CNC lathe operations.
- Gain practical skills in setting up and operating CNC lathe machines.
- Develop basic CNC programming skills.
- Execute various lathe operations with precision.
- Identify and resolve common machining problems.
- Adhere to safety protocols in a machining environment.



Report Prepared by:

Mr. Rahul Joshi
Asst. Professor, MED
Swami Vivekanand College of Engineering

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Swami Vivekanand College of Engineering, Indore

A Report

on

One day Seminar on Planning and Design of Building Based on STAAD Pro

Dated

27/09/2019

Academic Session 2019-20

PRINCIPAL
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Swami Vivekanand College of Engineering, Indore

Report on

Planning and Design of Building Based on STAAD Pro

Organized by: Civil Engineering Department

Date: 27/09/2019

Participants: Final Year Students of B.Tech

Introduction: The Civil Engineering Department organized a seminar on the "Planning and Design of Building Based on STAAD Pro" to enhance the technical knowledge and practical skills of the students. The seminar aimed to provide insights into the application of STAAD Pro software for structural analysis and design. This event was part of the department's initiative to bridge the gap between academic learning and industry practices.

Objectives: The objectives of the seminar were:-

- To introduce students to the functionalities and applications of STAAD Pro software in building design.
- To provide a comprehensive understanding of the planning and design process using STAAD Pro.

Speaker: The seminar was delivered by Mr. Mr Ashutosh Kutumbale (Director of Kutumbale Consultant Pvt. Ltd Indore). He is a highly experienced structural engineer and an expert of STAAD Pro for building design. Mr. Kutumbale has over 15 years of experience in the field and is known for his contributions to various large-scale construction projects.

Activity Description

Seminar Details:

Date: 27/09/2019

Time: 2:00 PM - 4:00 PM

ral Library

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Seminar Content: Mr. Kutumbale commenced the lecture with an introduction to structural analysis and the importance of software tools in modern engineering design. He provided a detailed overview of STAAD Pro, including its features, capabilities, and applications in the construction industry.

Conclusion: The seminar on "Planning and Design of Building Based on STAAD Pro" was highly informative and beneficial for the students. It successfully achieved its objectives by providing a thorough understanding of STAAD Pro and its applications in building design. The students gained valuable insights and practical skills that will be instrumental in their future careers.

Event Co-Ordinator

Mr. Kapil Kushwah

Assistant Professor, CED

Swami Vivekanand College of Engineering, Indore

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Swami Vivekanand College of Engineering, Indore

A Report

on

One day Workshop on Junkyard

Dated

08/09/2019

Academic Session 2019-20

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Swami Vivekanand College of Engineering, Indore

Report

On

One day workshop on "Junkyard"

Organized by: Electronics and Communication Engineering Department, Swami Vivekanand College of Engineering

Date: 08/09/2019

Participant: B.Tech ECE 2nd Year Students.

Introduction

The Electronics and Communication Engineering Department of Swami Vivekanand College of Engineering successfully organized a one-day workshop titled **"Junkyard"** on 8 September 2019. The workshop aimed to enhance participants' expertise in utilizing electronic circuits from unused or nonfunctional equipment. The workshop focused on practical skills and innovative approaches to repurpose electronic components effectively.

Objectives

The objectives of the workshop were:

- To educate participants on the basics of electronics and circuitry.
- To develop practical skills in disassembling and repurposing electronic devices.
- To raise awareness about electronic waste and its environmental impact.

Instructor: Mr. Vijay Sharma

Activity:

- Hands-on Training: Participants engaged in practical sessions where they learned to identify, salvage, and repurpose electronic circuits from various sources.
- Technical Sessions: Expert speakers delivered informative sessions on circuit analysis, troubleshooting, and creative use of electronic components.

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- Project Showcase: Participants had the opportunity to showcase their projects using salvaged circuits, demonstrating their understanding and application of workshop concepts.

Description: The workshop spanned over one days, featuring a mix of theoretical sessions and practical activities. Participants were introduced to basic electronic components such as resistors, capacitors, and microcontrollers. Following the theoretical sessions, participants were guided through the process of safely disassembling various electronic devices like old computers, mobile phones, and household appliances. The practical sessions culminated in a creative project where participants designed and built new electronic gadgets from the salvaged components.

Participation and Engagement

The workshop saw enthusiastic participation from the B.Tech 2nd year Electronics and Communication Engineering students. The hands-on sessions were particularly well-received, with students actively engaging in the practical exercises and demonstrating a keen interest in designed and built new electronic gadgets from the unused or un-functional circuits.

Conclusion

The workshop successfully met its objectives, with participants gaining a solid understanding of basic electronics and circuitry. Many participants expressed increased confidence in handling electronic components and a keen interest in pursuing further projects in electronics. The creative projects presented at the end of the workshop demonstrated innovative uses of repurposed components, highlighting the participants' problem-solving skills and creativity. Additionally, the workshop raised significant awareness about the importance of reducing electronic waste.

oordinator:

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A Report

on

One day Seminar on Legal & Social Corporate Responsibilities

Dated

27/12/2019

Academic Session 2019 - 2020

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Swami Vivekanand College of Engineering, Indore

Report

On

One day Seminar on "Legal & Corporate Social Responsibilities"

Organized by: Masters of Business Administration Department, Swami Vivekanand College of Engineering

Date: December 27, 2019

Participants: Masters of Business Administration Students

Introduction: In today's dynamic professional landscape, effective marketing skills are crucial for career advancement. Whether you're just starting or looking to enhance your current position understanding key marketing principles and career strategies can significantly boost your success. This report aims to provide valuable insights into both areas.

Objectives: The objectives of the seminar were:

- To provide participants with a comprehensive understanding of basic concepts of Laws, practices & Regulations & Act.
- To enhance their knowledge & skills necessary to design legal manuals & manage CSR.

Speaker: Mrs. Aditi Rathore, Territory Expertise Advocate & Law Professor at Sage University, Indore.

Activity Description: The seminar comprised a detailed online presentation by Mrs. Aditi Rathore, followed by an interactive Q&A session. Key topics covered included:

- Explanation of importance, strategies & benefits associated with Legal & CSR Activities.
- Implementing Robust practices in the area of Law. Regularly evaluate your progress and make adjustments as needed.

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- By adhering of legal standards, mitigating risks, and demonstrating commitment to social responsibility, organizations can foster trust, resilience, and long-term success.

Participation & Engagement: The seminar saw active participation from all attendees. Students were highly engaged during the presentation, taking notes and asking pertinent questions. The Q&A session was particularly lively, with students seeking clarifications and deeper insights into various aspects of Laws their applicability & Social Responsibilities.

Conclusion: The seminar successfully met its objectives by providing students with a comprehensive understanding of the importance, strategies, and benefits associated with legal compliance and Corporate Social Responsibility (CSR) activities. Implementing robust practices in these areas can contribute to organizational success and sustainability. Embracing these practices not only enhances corporate reputation but also contributes positively to society, aligning business interests with broader societal goals.

Jyoti

Seminar Co-Ordinator

Mrs. Jyoti Jayaswal

Assistant Professor, MBA

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A Report

on

One day Workshop on Dismantling & Assembly of Engine Parts

Dated

03/03/2020

Academic Session 2019-20

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Swami Vivekanand College of Engineering, Indore

Report

On

" Dismantling & Assembly of I.C. Engine Parts"

Organized by: Mechanical Engineering Department, Swami Vivekanand College of Engineering

Date: 03/03/2020

Participant: B. Tech Second Year Students

Introduction

The Mechanical Engineering Engineering Department of Swami Vivekanand College of Engineering successfully organized a two-day workshop titled **"Workshop on Complete Assembly & Dismantling of I.C. Engine Parts"** on March 3rd 2020.

Objectives

- To enhance the knowledge of participants on Engine parts.
- To provide hands-on training and practical experience with Diesel engine.

Speaker: Mr. Mayank Ladha

Activity: Practical training with Diesel engine.

Description: The session focused on the practical application of engine parts. Participants learned how to assembly parts.

Participation and Engagement

The workshop saw enthusiastic participation from the B. Tech 2nd year Mechanical Engineering students. The hands-on sessions were particularly well-received, with students actively engaging in the practical exercises and demonstrating a keen interest in engine parts.

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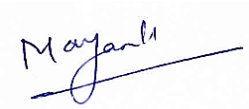
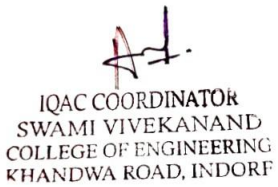
Conclusion

The "Workshop on Complete Assembly & Dismantling of I.C. Engine" workshop was a resounding success, achieving its objective of providing comprehensive training on Complete Assembly & Dismantling of I.C. Engine. The Mechanical Engineering Department received positive feedback from participants, who appreciated the blend of theoretical knowledge and practical experience. The workshop has undoubtedly enhanced the students' skills and preparedness for future professional challenges in the field of Mechanical engineering.

Report Prepared by:



Mr. Mayank Ladha
Asst. Professor, MED
Swami Vivekanand College of Engineering



Swami Vivekanand College of Engineering, Indore

A Report

on

One day Seminar on Cement Manufacturing Process

Dated

13/08/2018

Academic Session 2018-19

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Swami Vivekanand College of Engineering, Indore

Report

On

One day Seminar on "Cement Manufacturing Process"

Organized by: Civil Engineering Department, Swami Vivekanand College of Engineering

Date: August 13, 2018

Participants: Civil Engineering Students

Introduction: The cement manufacturing process involves several crucial steps to produce a key construction material. It begins with the extraction and crushing of raw materials like limestone and clay. These materials are then heated in a kiln at high temperatures to form clinker. The clinker is subsequently ground with gypsum and other additives to produce cement. Finally, the cement is packaged and distributed for various construction applications.

Objectives: The objectives of the seminar were:

- To enhance students' knowledge of the cement manufacturing process.
- To bridge the gap between theoretical knowledge and practical application.

Speaker: Mr. Dinesh Mittal

Activity Description: The seminar comprised a detailed presentation by Mr. Dinesh Mittal, followed by an interactive Q&A session. Key topics covered included:

- Raw materials used in cement production.
- Chemical and physical processes involved in cement manufacturing.
- Step-by-step explanation of the production techniques, from quarrying to grinding.
- Quality control measures and standards.
- Environmental impacts and sustainable practices in cement production.

Participation & Engagement: The seminar saw active participation from all attendees. Students were highly engaged during the presentation, taking notes and asking pertinent questions. The Q&A session was particularly lively, with students seeking clarifications and ıts into various aspects of cement manufacturing.

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Conclusion: The seminar successfully met its objectives by providing students with a comprehensive understanding of the cement manufacturing process. The event also highlighted the importance of sustainable practices in construction materials production.

Event Co-Ordinator

Mr. Vikas Joshi

Assistant Professor, CED

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A Report

on

One day Seminar on Mega Structures

Dated

16/07/2018

Academic Session 2018-19

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Swami Vivekanand College of Engineering, Indore

Report

on

One day Seminar on "Mega Structures (Steel Structures)"

Organized By: Civil Engineering Department, SVCE

Date: 16th July 2018

Participant: B.Tech students of 2nd, 3rd and 4th year.

Introduction: Mega Steel Structures is a leading provider of innovative and robust steel construction solutions. Specializing in high-quality steel structures, we cater to diverse industries, ensuring precision and durability in every project. Our expertise spans design, fabrication, and installation, delivering customized solutions that meet stringent safety and performance standards. Committed to excellence, we employ advanced technology and a skilled workforce to exceed client expectations. Partner with Mega Steel Structures for reliable, efficient, and cost-effective steel construction services.

Objectives: The objectives of the seminar were:

- To introduce students the latest trends and technologies in steel structure engineering.
- To enhance students' understanding of the design, analysis, and construction of mega steel structures.
- To encourage student engagement and participation in discussions related to civil engineering advancements.

Activity: The seminar was structured to include a comprehensive lecture followed by an interactive Q&A session. Mr. Abhay Gupta presented various aspects of steel structures, including design principles, material properties, construction techniques, and case studies of notable mega structures around the world.

Description:

Date: 16th July 2018

Time: 2:00 PM - 4:00 PM

Venue: Pharmacy Auditorium

The session began with an introduction to the significance of steel in the construction of mega structures. Mr. Gupta elaborated on the advantages of using steel, such as its high strength-to-weight ratio, durability, and flexibility in design. He then showcased several case studies, including famous skyscrapers and large-span bridges, highlighting the engineering challenges and innovative solutions implemented in each project.

Participation & Engagement: The seminar saw active participation from students across the , and fourth years. Students were highly engaged, asking insightful

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participating in discussions. The interactive nature of the session allowed students to delve deeper into specific topics of interest and clarify their doubts directly with the expert.

Conclusion: The seminar on Mega Structures (Steel Structures) was a resounding success, providing an invaluable learning experience for the civil engineering students. The knowledge and insights gained will undoubtedly contribute to their academic and professional growth in the field of civil engineering.

Event Co-Ordinator

Mr. Vikas Joshi

Assistant Professor, CED

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A Report

on

One day Workshop on Skill Development on NS-2

Dated

08/08/2018

Academic Session 2018-19

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Swami Vivekanand College of Engineering, Indore

Report

On

One day workshop on "Skill Development on NS-2"

Organized by: Electronics and Communication Engineering Department, Swami Vivekanand College of Engineering

Date: 08/08/2018

Participant: B.Tech ECE 3rd Year Students.

Introduction

The Electronics and Communication Engineering Department of Swami Vivekanand College of Engineering successfully organized a one-day workshop titled **"Skill Development on NS-2"** on 8 August 2018. The workshop aimed to enhance participants' expertise in using NS-2, a widely used discrete event network simulator.

Objectives

The objectives of the workshop were:

- To provide a comprehensive overview of computer networking fundamentals.
- To familiarize participants with network design, configuration, and troubleshooting.
- To enhance practical skills through hands-on sessions using NS-2 and other networking tools.

Instructor: Mr. Rohit Yadav

Activity: Practical training with Software NS-2.

Description: The Skill Development Workshop on NS-2 organized by the Electronics & Communication Engineering Department was a resounding success, empowering participants with valuable knowledge and skills in network simulation. We extend our gratitude to all the participants, faculty members, and organizers for their contributions to making this event a fruitful learning experience.

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Participation and Engagement

The workshop saw enthusiastic participation from the B.Tech 3rd year Electronics and Communication Engineering students. The hands-on sessions were particularly well-received, with students actively engaging in the practical exercises and demonstrating a keen interest in networking and NS-2.

Conclusion

The "Skill Development on NS-2" workshop was a resounding success, achieving its objective of providing comprehensive training on NS-2. The Electronics and Communication Engineering Department received positive feedback from participants, who appreciated the blend of theoretical knowledge and practical experience. The workshop has undoubtedly enhanced the students' skills and preparedness for future professional challenges in the field of electronics and communication engineering.

Event Coordinator

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A Report

on

One day Workshop on Electrical Wiring

Dated

11/12/2018

Academic Session 2018-19

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Report

On

One Day workshop on "Electrical Wiring"

Organized by: Electrical & Electronics Engineering Department, Swami Vivekanand College of Engineering

Date: 11/12/2018

Participant: B.Tech 1st Year Students.(CS, IT)

Introduction

With aim of understanding the electrical system and identifying electrical wiring, schematic electrical symbols, conductors and conductor sizes Electrical & Electronics Engineering Department of SVCE has successfully conducted a one day workshop on "Electrical house wiring" on 1/05/2022 for the students B. Tech first year.

Objectives

- To enhance the knowledge of students in basics or electrical wiring.
- To provide hands-on training and practical experience electrical connection in house wiring.
- To equip students with the necessary skills to handle basic electrical instruments like ammeter voltmeter, multimeter, tester, etc.

Speaker: Mr. Hemendra khedekar

Activity: Hands on electrical connections.

Description: The session focused on the identification of electrical wiring schematic electrical symbols, conductors and conductor sizes.Also hands on installation of electrical boxes, switches, recessed lighting and ballast.

Participation and Engagement

The workshop saw enthusiastic participation from the B.Tech 1st year students(CS, IT). The hands-on sessions were particularly well-received, with students actively engaging in the rcises and demonstrating a keen interest in basic uses of electrical instr

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Conclusion

The student will be able to:

- Understand the electrical system and demonstrate the various installation methods.
- Explain and identify electrical wiring schematic electrical symbols, conductors and conductor sizes.
- Identify and install electrical boxes, switches, recessed lighting and ballast.
- Identify and demonstrate branch circuit, master bedroom, bedroom, and bathroom circuit.

Report Prepared by:

Ms. Namrata Jain
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Swami Vivekanand College of Engineering

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A Report

on

One day Seminar on Web Development

Dated

22/03/2019

Academic Session 2018-19

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Report

On

One day Seminar on "Web Development"

Organized by: Information Technology Department, Swami Vivekananda College of Engineering

Date: March 22, 2019

Participants: Information Technology Students

Introduction: The Web Development Seminar was conducted on [22/03/2019] with the aim of enhancing participants' understanding of modern web technologies and trends. It was organized by IT Department and featured speakers renowned in the field of web development.

Objectives: The objectives of the seminar were:

- To enhance participants' understanding of web development tools, frameworks, and best practices
- To equip attendees with practical knowledge applicable in professional settings
- Foster innovation and efficiency in web development projects

Speaker: Mr. Gajendra Singh Chouhan

Activity Description: The seminar comprised a detailed presentation Mr. Gajendra Singh Chouhan, followed by an interactive Q&A session. Key topics covered included:

● Inaugural address emphasizing the importance of web development.
● Sessions focused on key topics: responsive design, JavaScript frameworks, server side programming, and security.
● Led by industry experts with real-world examples and case studies.
● Insights into industry trends and emerging technologies shared.

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Participation & Engagement: The seminar witnessed active participation from professionals, students, and enthusiasts from diverse backgrounds. Attendees engaged enthusiastically during sessions, contributing to interactive discussions and Q&A segments. The event successfully promoted networking among participants, creating a conducive environment for knowledge exchange and collaboration.

Conclusion: In conclusion, the Web Development Seminar proved to be a valuable platform for learning and professional growth. Participants gained practical knowledge and skills essential for navigating the dynamic field of web development. The event successfully met its objectives by fostering a collaborative learning environment and equipping attendees with tools to stay competitive in the digital economy. Moving forward, similar seminars could further bridge the gap between theoretical knowledge and practical application, ensuring continuous professional development in web development practices.

Event Co-Ordinator

Ms. Sapna Parmer

Assistant Professor, IT

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A Report

on

One day Workshop on Electrical Wiring

Dated

01/05/2019

Academic Session 2018-19

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Report

On

"Electrical Wiring"

Organized by: Electrical & Electronics Engineering Department, Swami Vivekanand College of Engineering

Date: 01/05/2019

Participant: B.Tech 1st Year Students.(EX, ME, EC)

Introduction

With aim of understanding the electrical system and identifying electrical wiring, schematic electrical symbols, conductors and conductor sizes Electrical & Electronics Engineering Department of SVCE has successfully conducted a one day workshop on "Electrical house wiring" on 1/05/2019 for the students B. Tech first year.

Objectives

- To enhance the knowledge of students in basics or electrical wiring.
- To provide hands-on training and practical experience electrical connection in house wiring.
- To equip students with the necessary skills to handle basic electrical instruments like ammeter voltmeter, multimeter, tester, etc.

Speaker: Mr. Hemendra khedekar

Activity: Hands on electrical connections.

Description: The session focused on the identification of electrical wiring schematic electrical symbols, conductors and conductor sizes.Also hands on installation of electrical boxes, switches, recessed lighting and ballast.

Participation and Engagement

The workshop saw enthusiastic participation from the B.Tech 1st year students(CS, IT). The hands-on sessions were particularly well-received, with students actively engaging in the practical exercises and demonstrating a keen interest in basic uses of electrical instruments.

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Conclusion

The student will be able to:

- Understand the electrical system and demonstrate the various installation methods.
- Explain and identify electrical wiring schematic electrical symbols, conductors and conductor sizes.
- Identify and install electrical boxes, switches, recessed lighting and ballast.
- Identify and demonstrate branch circuit, master bedroom, bedroom, and bathroom circuit.

Report Prepared by:

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A Report

On

One day Seminar on Leadership & Management

Dated

16/11/2018

Academic Session 2018 - 2019

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Report

On

One day Seminar on "Leadership & Management"

Organized by: Masters of Business Administration Department, Swami Vivekanand College of Engineering

Date: November 16, 2018

Participants: Masters of Business Administration Students

Introduction: Leadership and management are essential components of organizational success. While they are often used interchangeably, they represent distinct yet interconnected aspects of guiding and directing teams towards achieving common goals. This report explores the key differences between leadership and management, their roles in an organization, and how effective leadership enhances managerial effectiveness.

Objectives: The objectives of the seminar were:

- It Focuses to define the purpose and long-term goals of the organization. They create a compelling vision that inspires and motivates others to work towards achieving it.
- To understand Leaders, cultivate a positive work environment by motivating team members through effective communication, encouragement, and recognition of individual contributions...
- **Speaker: Mr. Chanchal Patidar, HR Manager – Shakti Pumps India Ltd., Indore.**

Activity Description: The seminar comprised a detailed online presentation by Mr. Chanchal Patidar, followed by an interactive Q&A session. Key topics covered included:

- To Understand the Impact of planning, organizing, and controlling resources to achieve specific objectives efficiently.
- To outlines the fundamental concepts, strategies, and implications of management.
- To emphasize its relevance in create a compelling vision, and inspire others to follow that . They promote a culture of collaboration, mentorship, and continuous in

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Participation & Engagement: The seminar saw active participation from all attendees. Students were highly engaged during the presentation, taking notes and asking pertinent questions. The Q&A session was particularly lively, with students seeking clarifications and deeper insights into various aspects of Markets.

Conclusion: This report outlines the Leadership and management are complementary forces that drive organizational success. While leadership sets the direction and inspires change, effective management ensures that goals are achieved through structured planning and execution. Organizations that nurture both leadership and management capabilities are better equipped to adapt to challenges, innovate, and achieve sustained growth.

Jyoti

Seminar Co-Ordinator

Mrs. Jyoti Jayaswal

Assistant Professor, MBA

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A Report

on

One day Workshop on Fundamentals & Operations

on CNC Machines

Dated

02/01/2019

Academic Session 2018-19

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Report

on

" Fundamentals & Operations on CNC Machines"

Organized by: Mechanical Engineering Department, Swami Vivekanand College of Engineering

Date: 02/01/2019

Participant: B. Tech Second Year Students

Introduction

The Mechanical Engineering Engineering Department of Swami Vivekanand College of Engineering successfully organized a one day workshop titled **"Workshop on Fundamentals & Operations on CNC Machines"** on Jan. 2nd 2019. This workshop is designed to provide participants with a comprehensive understanding of Computer Numerical Control (CNC) machines, including their basic operations, setup, and practical applications. The course is suitable for beginners as well as individuals looking to refresh their knowledge in CNC machining.

Objectives

- To introduce the fundamental concepts of CNC machining.
- To demonstrate the operation and setup of CNC machines.
- To teach basic programming skills for CNC operations.
- To provide hands-on experience with CNC machines.

Speaker: Mr. Vishal Wankhade

Activity: Practical training with CNC Machine.

Description: The session focused on the practical application of CNC machine. Participants learned how to produce parts.

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Participation and Engagement

The workshop saw enthusiastic participation from the B. Tech 2nd year Mechanical Engineering students. The hands-on sessions were particularly well-received, with students actively engaging in the practical exercises and demonstrating a keen interest in CNC machine.

Conclusion

This structured agenda ensures that participants gain a solid foundation in CNC machine operations, from basic concepts to advanced programming and practical applications. The Mechanical Engineering Department received positive feedback from participants, who appreciated the blend of theoretical knowledge and practical experience. The workshop has undoubtedly enhanced the students' skills and preparedness for future professional challenges in the field of Mechanical engineering.

Report Prepared by:

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A Report

on

One day Workshop on Assembly & Dismantling of I.C. Engine

Dated

07/03/2019

Academic Session 2018-19

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Report

On

“Complete Assembly & Dismantling of I.C. Engine"

Organized by: Mechanical Engineering Department, Swami Vivekanand College of Engineering

Date: 07/03/2019

Participant: B. Tech Second Year Students

Introduction

The Mechanical Engineering Engineering Department of Swami Vivekanand College of Engineering successfully organized a two-day workshop titled **"Workshop on Complete Assembly & Dismantling of I.C. Engine"** on March 7th 2019. The workshop aimed to provide participants with a comprehensive understanding of advanced survey instruments through hands-on activities and practical exercises.

Objectives

- To enhance the knowledge of participants on Engine parts.
- To provide hands-on training and practical experience with Diesel engine.

Speaker: Mr. Mayank Ladha

Activity: Practical training with Diesel engine.

Description: The session focused on the practical application of engine parts. Participants learned how to assembly parts.

Participation and Engagement

The workshop saw enthusiastic participation from the B. Tech 2nd year Mechanical Engineering students. The hands-on sessions were particularly well-received, with students actively engaging in the practical exercises and demonstrating a keen interest in engine parts.

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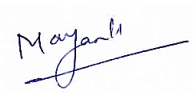
Conclusion

The "Workshop on Complete Assembly & Dismantling of I.C. Engine" workshop was a resounding success, achieving its objective of providing comprehensive training on Complete Assembly & Dismantling of I.C. Engine. The Mechanical Engineering Department received positive feedback from participants, who appreciated the blend of theoretical knowledge and practical experience. The workshop has undoubtedly enhanced the students' skills and preparedness for future professional challenges in the field of Mechanical engineering.

Report Prepared by:



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