

WORKSHOP

DATE:: 07/03/2019 & 08/03/2019

VENUE : NEWTON HALL

2. MAINTAINING A CLEAR DISTINCTION BETWEEN CLIENT AND SERVER MAKES THE APP EASIER TO MAINTAIN AND TEST

3. HOW TO HOST WEBSITE

4. HOW ACTUAL WEBSITE WORKS AND HOW TO DEAL WITH ACTUAL PROBLEMS WHILE CREATING WEBSITE



LEARNING OUTCOMES:

1. NODE.JS IS A CROSS-PLATFORM RUNTIME LIBRARY AND ENVIRONMENT FOR RUNNING JAVASCRIPT APPLICATIONS OUTSIDE THE BROWSER.

2. NODE.JS OFFERS A RICH LIBRARY OF VARIOUS JAVASCRIPT MODULES WHICH CAN SIMPLIFY CODING.

3. THE GOAL OF ANGULAR JS FRAMEWORK IS TO PROVIDE SIMPLIFIED THE DEVELOPMENT PROCESS.

4. NODE JS IS IDEAL FOR DEVELOPING SMALL SIZE PROJECTS WHILE ANGULAR JS IS A GREAT OPTION FOR LONG SIZE PROJECTS.



BITS & BYTES

A DEPARTMENTAL NEWSLETTER

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DR. PINA BHATT
PRINCIPAL



DR. IRVIN SINGH DUA
HOD

--: EDITORIAL TEAM :-

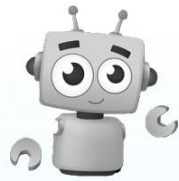
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ADITYA SILVER OAK INSTITUTE OF TECHNOLOGY
(Computer Engineering)



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VISION & MISSION

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PEO's & PO's

D

BIG DAY ACTIVITY
BY PROF. MURTI PATEL

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BIG DAY ACTIVITY
BY PROF. NAMITA PATEL

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BIG DAY ACTIVITY
BY PROF. MURTI PATEL

BIG DAY ACTIVITY
BY PROF. VIDUSHI PATEL

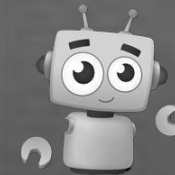
BIG DAY ACTIVITY
BY PROF. NISHI PATEL

INDUSTRIAL VISIT

WORKSHOP



ADITYA SILVER OAK INSTITUTE OF TECHNOLOGY
(Computer Engineering)



WORKSHOP

DATE:: 07/03/2019 & 08/03/2019

EXPERT NAME: MR. AKASH
PADHIYAR, CEO, AKASH
TECHNOLABS .

SUBJECT: SOFTWARE ENGINEERING
TARGET AUDIENCE:: 6TH CE
4TH CE



NO. OF STUDENTS PRESENT: 95

TIME: : 10:00 AM TO 4:00 PM

VENUE : NEWTON HALL,
4TH FLOOR, D BUILDING

OBJECTIVE OF WORKSHOP:

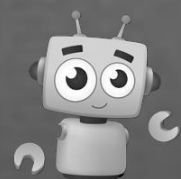
1. NODE.JS IS A PLATFORM
AND RUNTIME ENVIRONMENT.

COORDINATOR:

PROF. JALPA SHAH

PROF. MANISH SINGH





INDUSTRIAL VISIT

DATE: 5/1/2019

DAY : SATURDAY

INTRODUCTION

THEY CONDUCTED FOR ABOUT 4 HOUR SESSION WHICH COVERED THE FOLLOWING DETAILS:-

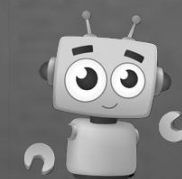
THE PRESENTATION SESSION WAS CONDUCTED BY:

- 1) MR.JAY VORA(MANAGING DIRECTOR, SERPENTCS)
- 2)MR.ARPAN VAISHNAV (TECHNICAL)
- 3) Ms.ANU PATEL (TECHNICAL)
- 4) Ms.PRIYANKA (HR)



POINTS DISCUSSED :

- 1.SOFTWARE PRODUCT LIFECYCLE [PRODUCT CONCEPT, DESIGN, ENGINEERING /DEVELOPMENT , AGILE METHODOLOGY , MAINTAINS & SUPPORT, PROFESSIONAL SERVICE AND INDUSTRIAL DESIGN & ENGINEERING]
- 2.TECHNOLOGY OVERVIEW (BIG DATA, CLOUD COMPUTING, SAP, EMBEDDED, MOBILE DEVELOPMENT. REACTNATIVE, ARTIFICIAL INTELLIGENCE,MACHINE LEARNING,IOT)



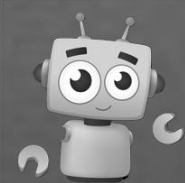
VISION & MISSION

VISION

TO CREATE COMPETENT PROFESSIONALS IN THE FIELD OF COMPUTER ENGINEERING AND PROMOTE RESEARCH WITH A MOTIVE TO SERVE AS A VALUABLE RESOURCE FOR THE IT INDUSTRY AND SOCIETY.

MISSION

1. TO PRODUCE TECHNICALLY COMPETENT AND ETHICALLY SOUND COMPUTER ENGINEERING PROFESSIONALS BY IMPARTING QUALITY EDUCATION, TRAINING, HANDS ON EXPERIENCE AND VALUE BASED EDUCATION.
2. TO INCULCATE ETHICAL ATTITUDE, SENSE OF RESPONSIBILITY TOWARDS SOCIETY AND LEADERSHIP ABILITY REQUIRED FOR A RESPONSIBLE PROFESSIONAL COMPUTER ENGINEER.
3. TO PURSUE CREATIVE RESEARCH, ADAPT TO RAPIDLY CHANGING TECHNOLOGIES AND PROMOTE SELF-LEARNING APPROACH IN COMPUTER ENGINEERING AND ACROSS DISCIPLINES TO SERVE THE DYNAMIC NEEDS OF INDUSTRY, GOVERNMENT AND SOCIETY.



PEO's & PO's

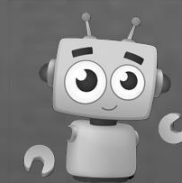
PROGRAM EDUCATIONAL OBJECTIVES (PEO):

PEO1: TO PROVIDE THE FUNDAMENTALS OF SCIENCE, MATHEMATICS, ELECTRONICS AND COMPUTER SCIENCE AND ENGINEERING AND SKILLS NECESSARY FOR A SUCCESSFUL IT PROFESSIONAL.

PEO2: TO PROVIDE SCOPE TO LEARN, APPLY SKILLS, TECHNIQUES AND COMPETENCY TO USE MODERN ENGINEERING TOOLS TO SOLVE COMPUTATIONAL PROBLEMS.

PEO3: TO ENABLE YOUNG GRADUATES TO ADAPT TO THE CHALLENGES OF EVOLVING CAREER OPPORTUNITIES IN THEIR CHOSEN FIELDS OF CAREER INCLUDING HIGHER STUDIES, RESEARCH AVENUES, ENTREPRENEURIAL ACTIVITIES ETC.

PEO4: TO INCULCATE LIFE-LONG LEARNING APTITUDE, LEADERSHIP QUALITIES AND TEAMWORK ABILITY WITH SENSE OF ETHICS FOR A SUCCESSFUL PROFESSIONAL CAREER IN THEIR CHOSEN FIELD.



INDUSTRIAL VISIT

DATE: 5/1/2019

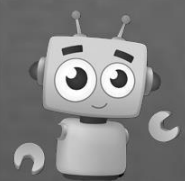
DAY : SATURDAY

INTRODUCTION

INDUSTRIAL VISIT IS CONSIDERED AS ONE OF THE TACTICAL METHODS OF TEACHING. THE MAIN REASON BEHIND THIS: IT LETS STUDENT TO KNOW THINGS PRACTICALLY THROUGH INTERACTION, WORKING METHODS AND EMPLOYMENT PRACTICES. MOREOVER, IT GIVES EXPOSURE FROM ACADEMIC POINT OF VIEW.



MAIN AIM INDUSTRIAL VISIT IS TO PROVIDE AN EXPOSURE TO STUDENTS ABOUT PRACTICAL WORKING ENVIRONMENT. THEY ALSO PROVIDE STUDENTS A GOOD OPPORTUNITY TO GAIN FULL AWARENESS ABOUT INDUSTRIAL PRACTICES. THROUGH INDUSTRIAL VISIT STUDENTS GET AWARENESS ABOUT NEW TECHNOLOGIES. TECHNOLOGY DEVELOPMENT IS A MAIN FACTOR



BIG DAYS ACTIVITY

ACTIVITY NAME: KAHOOT QUIZ ON SDLC

DATE: 9/01/2019

OBJECTIVE: : TO GAIN BASIC
KNOWLEDGE OF HOW SDLC
WORKS.

SUBJECT: SOFTWARE ENGINEERING

TARGET AUDIENCE: 6TH-CE



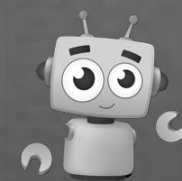
NO. OF STUDENTS PRESENT: 50

TIME: : 12:05 PM TO 1:00 PM

LEARNING OUTCOME:

1. STUDENTS WILL BE ABLE TO GAIN KNOWLEDGE REGARDING DIFFERENT MODELS OF SDLC
2. COMPARISON WITH OTHER SOFTWARE MODELS

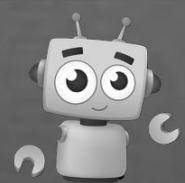
FACULTY : PROF. MURTI PATEL



PEO's & PO's

PROGRAM OUTCOMES (POs) :

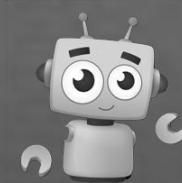
1. ENGINEERING KNOWLEDGE: APPLY THE KNOWLEDGE OF MATHEMATICS, SCIENCE, ENGINEERING FUNDAMENTALS AND AN ENGINEERING SPECIALIZATION TO THE SOLUTION OF COMPLEX ENGINEERING PROBLEMS.
2. PROBLEM ANALYSIS: IDENTIFY, FORMULATE, REVIEW RESEARCH LITERATURE, AND ANALYSE COMPLEX ENGINEERING PROBLEMS REACHING SUBSTANTIATED CONCLUSIONS USING FIRST PRINCIPLES OF MATHEMATICS, NATURAL SCIENCES AND ENGINEERING SCIENCES.
3. DESIGN/DEVELOPMENT OF SOLUTIONS: DESIGN SOLUTIONS FOR COMPLEX ENGINEERING PROBLEMS AND DESIGN SYSTEM COMPONENTS OR PROCESSES THAT MEET THE SPECIFIED NEEDS WITH APPROPRIATE CONSIDERATION FOR THE PUBLIC HEALTH AND SAFETY, AND THE CULTURAL, SOCIETAL, AND ENVIRONMENTAL CONSIDERATIONS.
4. CONDUCT INVESTIGATIONS OF COMPLEX PROBLEMS: USE RESEARCH-BASED KNOWLEDGE AND RESEARCH METHODS INCLUDING DESIGN OF EXPERIMENTS, ANALYSIS AND INTERPRETATION OF DATA, AND SYNTHESIS OF THE INFORMATION TO PROVIDE VALID CONCLUSIONS.



PEO's & PO's

PROGRAM OUTCOMES (POs) :

5. MODERN TOOL USAGE: CREATE, SELECT, AND APPLY APPROPRIATE TECHNIQUES, RESOURCES, AND MODERN ENGINEERING AND IT TOOLS INCLUDING PREDICTION AND MODELING TO COMPLEX ENGINEERING ACTIVITIES WITH AN UNDERSTANDING OF THE LIMITATIONS.
6. THE ENGINEER AND SOCIETY: APPLY REASONING INFORMED BY THE CONTEXTUAL KNOWLEDGE TO ASSESS SOCIETAL, HEALTH, SAFETY, LEGAL AND CULTURAL ISSUES AND THE CONSEQUENT RESPONSIBILITIES RELEVANT TO THE PROFESSIONAL ENGINEERING PRACTICE.
7. ENVIRONMENT AND SUSTAINABILITY: UNDERSTAND THE IMPACT OF THE PROFESSIONAL ENGINEERING SOLUTIONS IN SOCIETAL AND ENVIRONMENTAL CONTEXTS, AND DEMONSTRATE THE KNOWLEDGE OF, AND NEED FOR SUSTAINABLE DEVELOPMENT.
8. ETHICS: APPLY ETHICAL PRINCIPLES AND COMMIT TO PROFESSIONAL ETHICS AND RESPONSIBILITIES AND NORMS OF THE ENGINEERING PRACTICE.



BIG DAYS ACTIVITY

ACTIVITY NAME: GROUP DISCUSSION ON DIFFERENT OPERATING SYSTEM

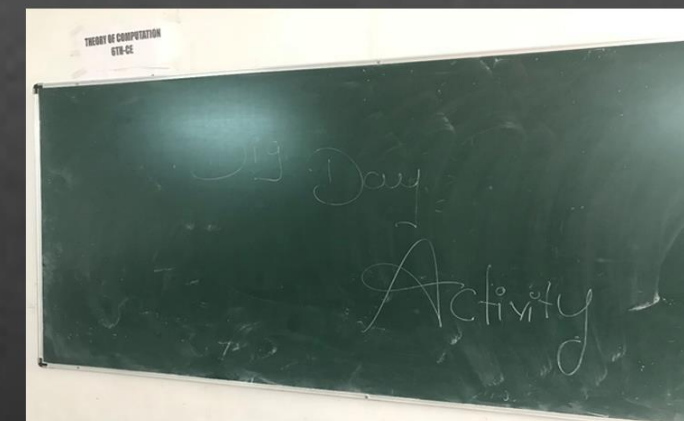
VENUE: D-405

DATE: :2/1/2019

OBJECTIVE: DIFFERENT
OPERATING SYSTEM

SUBJECT OPERATING SYSTEM

TARGET AUDIENCE: 4TH-CE



NO. OF STUDENTS PRESENT: 15

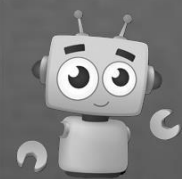
TIME: : 1:00 TO 2:00

LEARNING OUTCOME:

DESCRIBE THE BASIC COMPONENTS OF AN OPERATING SYSTEM AND THEIR ROLE IN IMPLEMENTATIONS FOR GENERAL PURPOSE, REAL-TIME, AND EMBEDDED APPLICATIONS.

FACULTY : PROF. VIDUSHI PATEL





BIG DAYS ACTIVITY

ACTIVITY NAME: VIDEO LECTURE ON SESSION & COOKIES

DATE: :17/01/2019

VENUE: D-510

OBJECTIVE: TO GAIN BASIC
KNOWLEDGE OF HOW SESSION
AND COOKIES WORKS

SUBJECT: ADVANCE JAVA

TARGET AUDIENCE: 6TH-CE

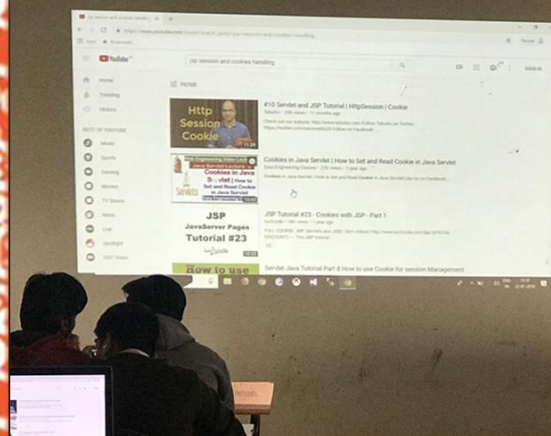


NO. OF STUDENTS PRESENT: 32

TIME: 01:00 PM TO 01:55 PM

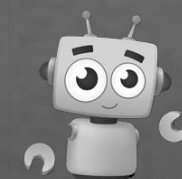
LEARNING OUTCOME:

1. WHAT IS COOKIE? WHAT
IS SESSION? WITH REAL TIME
EXAMPLE



2. FEATURES WILL BE PROVIDED
BY ADVANCE JAVA
3. DISCUSS PRACTICAL OF
SESSION HANDLING USING
NETBEANS.

FACULTY : PROF. NISHI PATEL



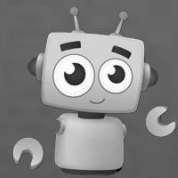
PEO's & PO's

PROGRAM OUTCOMES (POs) :

09. INDIVIDUAL AND TEAM WORK: FUNCTION EFFECTIVELY AS AN INDIVIDUAL, AND AS A MEMBER OR LEADER IN DIVERSE TEAMS, AND IN MULTIDISCIPLINARY SETTINGS.
10. COMMUNICATION: COMMUNICATE EFFECTIVELY ON COMPLEX ENGINEERING ACTIVITIES WITH THE ENGINEERING COMMUNITY AND WITH SOCIETY AT LARGE, SUCH AS, BEING ABLE TO COMPREHEND AND WRITE EFFECTIVE REPORTS AND DESIGN DOCUMENTATION, MAKE EFFECTIVE PRESENTATIONS, AND GIVE AND RECEIVE CLEAR INSTRUCTIONS.
11. PROJECT MANAGEMENT AND FINANCE: DEMONSTRATE KNOWLEDGE AND UNDERSTANDING OF THE ENGINEERING AND MANAGEMENT PRINCIPLES AND APPLY THESE TO ONE'S OWN WORK, AS A MEMBER AND LEADER IN A TEAM TO MANAGE PROJECTS AND IN MULTIDISCIPLINARY ENVIRONMENTS.
12. LIFE-LONG LEARNING: RECOGNIZE THE NEED FOR, AND HAVE THE PREPARATION AND ABILITY TO ENGAGE IN INDEPENDENT AND LIFE-LONG LEARNING IN THE BROADEST CONTEXT OF TECHNOLOGICAL CHANGE.



ADITYA SILVER OAK INSTITUTE OF TECHNOLOGY
(Computer Engineering)



BIG DAYS ACTIVITY

ACTIVITY NAME: ATTRACTIVE WEB PAGE DESIGNING

DATE: : 21/01/2019

VENUE: D-510

OBJECTIVE: TO GAIN SOME
EXPERIENCE WITH ASPECT OF
WEB DESIGNING.

SUBJECT: WEB TECHNOLOGY

TARGET AUDIENCE: 6TH-CE



NO. OF STUDENTS PRESENT: 50

TIME: 12:05PM TO 1:00 PM

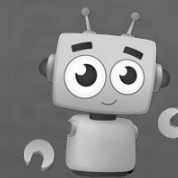
LEARNING OUTCOME:

1. STUDENTS WILL BE ABLE
TO GAIN KNOWLEDGE
REGARDING HTML .

FACULTY : PROF. MURTI PATEL



ADITYA SILVER OAK INSTITUTE OF TECHNOLOGY
(Computer Engineering)



BIG DAYS ACTIVITY

ACTIVITY NAME:: KAHOOT ON VIRTUAL FUNCTION

DATE: 27/2/2019

VENUE: D-315

OBJECTIVE: TO GAIN KNOWL-
EDGE ABOUT POLYMORPHISM
AND VIRTUAL FUNCTION.

SUBJECT: OBJECT ORIENTED
PROGRAMMING WITH C++

TARGET AUDIENCE: 4TH SEM
CE STUDENTS

NO. OF STUDENTS PRESENT: 54



TIME: : 9:50 TO 10:40 PM.

LEARNING OUTCOME: A
TOKEN IS THE SMALLEST
ELEMENT OF A C++
PROGRAM THAT IS MEANING
FUL TO THE COMPILER.
THE C++ PARSER RECO-
GNIZES THESE KINDS OF
TOKENS: IDENTIFIERS,
KEYWORDS, LITERALS.

FACILITATOR:
PROF. NAMITA PATEL

