STUDENT ACHIEVEMENT (HACKATHON)

Team Abhyuday of Aditya Silver Oak Institute of Technology had participat-ed in the **"HACKATHON SOLVE FOR SAFER INDIA"**, which was organized by Indian Road Safety Campaign (IRSC)

Ministry of Road Transport and Highways (MORTH), United Nation of Training and Research (UNTR), IIT Guwahati and Robert Bosch Engineering and Business Solutions.

1. **Abhijeet M. Trivedi** (Team Leader) (6th CE)
2. **Meet P. Shah** (Lead Developer) (4th CE)
3. **Kartik Chauhan** (6th CE)
4. **Hemil Patel** (6th CE)

BITS & BYTES

A Departmental Newsletter

Dr. Pina Bhatt
Principal

Dr. Irvin Singh Dua
HOD

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Designer
Tejas Kateshiya
Ashvini Patil

Chief Editor
Prof. Jayshree Upadhyay
Prof. Jalpa Shah

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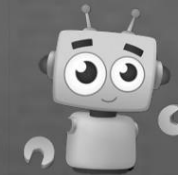- BIG DAY ACTIVITY
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- STUDENTS ACHIEVEMENTS
  HACKATHON

ADITYA SILVER OAK INSTITUTE OF TECHNOLOGY
(Computer Engineering)

BIG DAYS ACTIVITY

ACTIVITY NAME: SCHEDULING ACTIVITY

DATE: 22/01/2018   VENUE: D-511

OBJECTIVE: TO UNDERSTAND CONCEPT OF SCHEDULING ALGORITHM AND HOW IT'S WORKS.

SUBJECT: OPERATING SYSTEM
TARGET AUDIENCE: 4TH - CE
NO. OF STUDENTS PRESENT: 45
TIME: 09:50 - 10:40 AM

LEARNING OUTCOME:

1. DEFINING "PROCESS" AND EXPLAINING THE RELATIONSHIP BETWEEN PROCESSES & PROCESS CONTROL BLOCKS.
2. EXAMINING THE CONCEPT OF A PROCESS STATE AND DISCUSS -ING THE STATE TRANSITIONS THE PROCESSES UNDERGO.
3. EXAMINING THE PURPOSE OF THE DATA STRUCTURES AND DATA STRUCTURE ELEMENTS USED BY AN OS TO MANAGE PROCESSES.
4. ASSESSING THE REQUIRE -MENTS FOR PROCESS CONTROL BY THE OS.

FACULTY : PROF. NIKET GANATRA

BIG DAYS ACTIVITY

ACTIVITY NAME: ATTRACTIVE WEB PAGE DESIGNING

DATE: : 23/01/2018   VENUE: D-511

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

SUBJECT: WEB TECHNOLOGY

TARGET AUDIENCE: 6TH-CE/IT

Shot on OnePlus

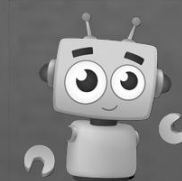NO. OF STUDENTS PRESENT: 37

TIME: 2:05PM TO 3:05 PM

LEARNING OUTCOME:

1. ENHANCE PRACTICAL KNOWLEDGE.

Shot on OnePlus

2. WILL BE ABLE TO DEVELOP THE MODERN WEB PAGES USING THE HTML AND CSS FEATURES WITH DIFFERENT LAYOUTS AS PER NEED OF APPLICATIONS.

FACULTY : PROF. MURTI PATEL

Shot on OnePlus

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 IMP-ARTING QUALITY EDUCATION, TRAINING, HANDS ON EX-PERIENCE AND VALUE BASED EDUCATION.
2. TO INCULCATE ETHICAL ATTITUDE, SENSE OF RESPONSIBI-LITY TOWARDS SOCIETY AND LEADERSHIP ABILITY REQUI-RED FOR A RESPONSIBLE PROFESSIONAL COMPUTER ENGI-NEER.
3. TO PURSUE CREATIVE RESEARCH, ADAPT TO RAPIDLY CH-ANGING TECHNOLOGIES AND PROMOTE SELF-LEARNING APPROACH IN COMPUTER ENGINEERING AND ACROSS DIS-CIPLINES TO SERVE THE DYNAMIC NEEDS OF INDUSTRY, GOVERNMENT AND SOCIETY.
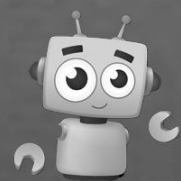
PEO's & PO's

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.
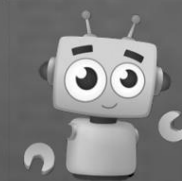
BIG DAYS ACTIVITY

ACTIVITY NAME: KAHOOT QUIZ-INTRODUCTION

DATE: 21/02/2018 **VENUE:** D-510

OBJECTIVE: To assess the knowledge of introductory part of the subject.

SUBJECT: Theory of Computation

TARGET AUDIENCE: 6th semester-CE

NO. of students present: 54

TIME: 09:50 AM to 10:40 AM

LEARNING OUTCOME:

1. Demonstrate advanced knowledge of formal computation and its relationship to languages

2. Distinguish different computing languages and classify their respective types

3. Recognise and comprehend formal reasoning about languages

4. Show a competent understanding of the basic concepts of complexity theory

FACULTY:
PROF. JALPA SHAH

BIG DAYS ACTIVITY

ACTIVITY NAME: KAHOOT ON SDLC

DATE: 18/01/2018   VENUE: D-510

OBJECTIVE: TO SUMMARISE THE CONCEPT OF SDLC.

SUBJECT: SOFTWARE ENGINEERING.

TARGET AUDIENCE: 6TH SEMESTER CE

NO. OF STUDENTS PRESENT: 27
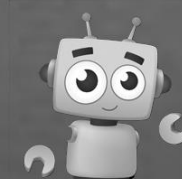
TIME: 2:05PM TO 2:55 PM

LEARNING OUTCOME:

1. ENHANCE KNOWLEDGE BY MEANS OF QUIZ.

2. WILL BE ABLE TO DEVELOP THE SUMMARISE TOPIC BY ATTAINING QUIZ AND WILL BE ABLE TO SHORT QUESTION IN VIVA VOICE

FACULTY :
PROF. CHAITALI 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 RESE-ARCH 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 NE-EDS 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 INTER-PRETATION OF DATA, AND SYNTHESIS OF THE INFORMATI-ON TO PROVIDE VALID CONCLUSIONS.
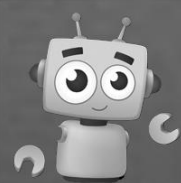
PEO's & PO's

PROGRAM OUTCOMES (POs) :

5. MODERN TOOL USAGE: CREATE, SELECT, AND APPLY APPR-OPRIATE TECHNIQUES, RESOURCES, AND MODERN ENGINEE-RING AND IT TOOLS INCLUDING PREDICTION AND MODEL-LING TO COMPLEX ENGINEERING ACTIVITIES WITH AN UND-ERSTANDING 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 PROFESS-IONAL ENGINEERING PRACTICE.

7. ENVIRONMENT AND SUSTAINABILITY: UNDERSTAND THE IMPACT OF THE PROFESSIONAL ENGINEERING SOLUTIONS IN SOCIETAL AND ENVIRONMENTAL CONTEXTS, AND DEMONST-RATE THE KNOWLEDGE OF, AND NEED FOR SUSTAINABLE DEVELOPMENT.

8. ETHICS: APPLY ETHICAL PRINCIPLES AND COMMIT TO PROF-ESSIONAL ETHICS AND RESPONSIBILITIES AND NORMS OF THE ENGINEERING PRACTICE.
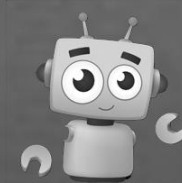
PEO's & PO's

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 COMP-LEX ENGINEERING ACTIVITIES WITH THE ENGINEERING CO-MMUNITY AND WITH SOCIETY AT LARGE, SUCH AS, BEING ABLE TO COMPREHEND AND WRITE EFFECTIVE REPORTS AND DESIGN DOCUMENTATION, MAKE EFFECTIVE PRESENT-ATIONS, 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 ENVIR-ONMENTS.

12. LIFE-LONG LEARNING: RECOGNIZE THE NEED FOR, AND HAVE THE PREPARATION AND ABILITY TO ENGAGE IN INDEPENDENT AND LIFE-LONG LEARNING IN THE BROADE-ST CONTEXT OF TECHNOLOGICAL CHANGE.