CHILDREN'S EDUCATION SOCIETY (Regd.)
THE OXFORD COLLEGE OF ENGINEERING
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Approved by A.I.C.T.E. New Delhi.
Recognised by UGC Under Section 2(f)
Bommanahalli, Hosur Road, Bangalore - 560 068.
Ph: 080-61754601/602, Fax: 080 - 25730551
E-mail: engprincipal@theoxford.edu Web: www.theoxfordengg.org

1.2.2

Number of Add on /Certificate programs offered during the last five years

Summary report of each program year-wise along with the outcome

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Bengaluru-560 068

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THE OXFORD COLLEGE OF ENGINEERING
Hosur Road, Bommanahalli, Bengaluru-560 068
080-30219601/02, Fax : 080-25730551,30219629,
Website:www.theoxford.edu Email : engprincipal@theoxford.edu
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Academic Sem: Feb'17 to May'17

Report

Title: Technical Training on "Android App Development"

Objective: To provide training on Android App development skill and prepare them to industry ready requirements.

Date: 7th March to 14th March 2017 **Time:** 9:00 AM to 4:00 PM

Location: The Oxford College of Engineering

Organized by: Etherglobal Services Pvt. Ltd.

Audience: 8th Sem Students of CSE (65)

Speaker: Mr. Ananta K and Mr. Rohit Kumar

Method Adopted: Theory sessions along with hands on sessions

Materials Used: Android Studio Software

Description: The Training was planned for the android app development skill for the students which would help them in their career, placements and their final year project work. All the sessions were well organized and it was also fully practical based session. Students were also exposed to interview questionnaires and real-life projects. They have been trained with the advanced tools for solving problems, projects and interview questions.

Outcome:

Students will be able

- To build an Android app using the Java language.
- To develop the competences needed to align technology solutions with business goals.
- To face the emerging challenges in the job market.

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THE OXFORD COLLEGE OF ENGINEERING
Hosur Road, Bommanahalli, Bengaluru-560 068
080-30219601/02, Fax : 080-25730551,30219629,
Website:www.theoxford.edu Email : engprincipal@theoxford.edu

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Academic Sem: Feb'17 to May'17

Report

Title: Technical Training on "JAVA and J2EE"

Objective:

- To create starting point for individuals interested in starting a career as a software engineer professional.
- To provide basic level and associate level of Java training.

Date: 7th March to 14th March 2017 **Time:** 9:00 AM to 4:00 PM

Location: The Oxford College of Engineering

Organized by: Seventh Sense Talent Solutions

Audience: 8th Sem Students of CSE (33)

Speaker: Mr. Venkat Ramanan

Method Adopted: Theory sessions along with hands on sessions

Materials Used: JDK Packages

Description (only 10-15 lines): The Training was planned for the development of Java skill for the students, which would help them in their career, placements and their final year project work. All the sessions were well organized and it was also fully practical based session. Students were also exposed to interview questionnaires and real-life projects. They have been trained with the advanced tools for solving problems, projects and interview questions.

Outcome:

Students will be able

- Use an integrated development environment to write, compile, run, and test simple object-oriented Java programs.
- Read and make elementary modifications to Java programs that solve real-world problems.
- Identify and fix defects and common security issues in code.

HOD/CSE

2016-17

CLOSURE REPORT
FOR
CCNA TRAINING CLASSES

Organized by: Department of ISE

Conducted by: Etherglobal Services Pvt Ltd

Duration of the course: 45 hrs,[Theory-30 hrs & lab practice -15 hrs]

Trainers Name: Mr. Baldev,CCNA,CCSA,CCSE,CCSP,JNCIA-FW,SCNA,IPV6 Forum certified Engineer

Venue For Theory & Practical Sessions : The Oxford college of Engineering , ISE Seminar Hall

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COURSE OVERVIEW

Department of Information Science & Engineering, The Oxford college of Engineering has organized CCNA Training classes for final year students of ISE has conducted by Ether global services Pvt Ltd, from 07th March 2017 to 13th March 2017. A total of 33 students enrolled for this program. Total duration of the course was 45 hrs, which includes 15 hrs of lab practices. This course has covered entire CCNA syllabus given by CISCO. Pre assessment test was also conducted on 07th March 2017 & post assessment test was also conducted on 13th March 2017 for all the students.

All the CCNA theory classes & lab practices were held at ISE Seminar Hall, The Oxford College of Engineering **from** 9.00 am to 4.15 pm dated from 07th March 2017 to 13th March 2017.

The trainer Mr. Baldev was conducted all classes for students. Mr. Baldev holds many certifications such as CCNA, CCSA,CCSE,CCSP,JNCIA-FW,SCNA,& IPV6 Forum certified Engineer. All topics were explained well with proper examples. Also the classes were interactive.

Additional benefits given to students apart from the course:

- Cisco Packet tracer software was shared with the students
- PPT's & PDF of course contents were shared with the students
- Softcopy of Lab Practical Materials were the students.

By doing this course the students got an understanding of the following key networking technologies and concepts.

- Basic history of networking, OSI reference model and basic network design principles, Local- and wide-area networks (LANs and WANs) including Ethernet and VLANs
- IP addressing and TCP/IP protocols ARP, RARP, BOOTP, and ICMP, Routers and routing protocols, bridges, and switches Cisco's Internetwork Operating System (IOS), Network management and Security

At the end of this course revision classes and mock test were conducted.
After completing these course students were advised to write CCNA exam.

Benefits of CCNA Certificate:

Cisco Certified Network Associate (CCNA) is one of the most vouched and valued IT certification throughout the world. CCNA has become one of the most sought after network certifications. CCNA can help to find a job in networking & to increase the opportunity in job.

Assessment tests: Both pre & post assessment tests were conducted and there is good progress & knowledge acquisition noticed.

Certificates: Then CCNA course completion certificates were issued on 24th March 2017.

Feedback: Feedback was collected from students & also from the trainers. Sample feedback forms are attached for conformation.

Training in charge

HOD-ISE

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2016-17

CLOSURE REPORT

FOR

BIGDATA TRAINING CLASSES

Organized by: Department of ISE

Conducted by: Ether Global Services Pvt Ltd

Duration of the course: 45hrs,[Theory-30 hrs & lab practice -15hrs]

Trainers Name: Mr.AryaAwasthi

Venue For Theory& Practical Session:The Oxford college of Engineering

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COURSE OVERVIEW

Department of Information Science &Engineering, The Oxford college of Engineering has organized Big Data training classes for final year students of ISE has conducted by Ether global Services Pvt Ltd, from 7th March 2017to 13th March 2017.A total of 27students enrolled for this program (ISE -27). Total duration of the course was 45hrs, which includes 15 hrs of lab practices. This course has covered entire Big Data Concepts and technologies. Pre assessment test wasalso conducted on 7th March 2017& post assessment test wasalso conducted on 13th March 2017 for all the students.

All the Big Data theory and Lab practices classes were held at The Oxford College of Engineering from 10 am to 4.15pm dated from7th March 2017 to 13th March 2017.

The Trainer Mr.AryaAswathi was conducted all classes for students. Mr.AryaAswathi has experience of analysis and Optimization of Big Data and methodologies like Hadoop, Strom, Spark, NoSQL(Cassandra, Mongo DB),Designing and deploying of efficient Cloud Architecture (VPC) on AWS and Duplicate detection of news articles using Spar Streaming, Hbase with Hadoop (YARN) Clus.Alltopics were explained well with proper examples. Also the classes were interactive.

Additional benefits given to students apart from the course:

- Hadoop, Hbase,sqoop,Hivesoftware and installation steps was sharedwith the students
- PPT s&PDFof course contents were sharedwith the students
- Software of Lab Practical Materials were the students.

By doing this course the students got an understanding of the following key BigDatatechnologies and concepts.

- Basic of Hadoop, HDFS Architecture ,HDFS Directory ,basic HDFS shell command,Map Reduce job including Mapper and Reducer
- Hive(datatypes,externaltables,Hive querying language,loading data in table and manage table and partioned tables),Pig ,Hbase,sqoop Related operations.
- At the end of this course revision classes and mock test were conducted.

After completing these course students were aware of the installation steps and concepts related to Hadoop,Hive,Pig,Hbase,Sqoop.

Benefits of Big Data Certificate:

- Master the various components of Hadoop ecosystem like Hadoop 2.7, Yarn, MapReduce, Pig, Hive, Impala, HBase, Sqoop, Flume, and Apache Spark
- It can be implemented inreal life projects in the domains of banking, telecommunication, social media, insurance, and ecommerce

Assessment tests:Both pre & post assessment tests were conducted and there is good progress & knowledge addition noticed.

Certificates: These Big Data course completion certificates were issued on 24/3/17

Feedback: Feedback was collected from students &also from the trainers.Sample feedback forms are attached for confirmation.

HOD-ISE

Training Incharge.

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Hosur Road, Bommanahalli, Bengaluru-560 068
Website:www.theoxford.edu Email : engprincipal@theoxford.edu
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Academic Year 2016-17

Report of Technical Training

Title: Technical Training on "AUTOMATION(PLC & SCADA), DRIVES, LV SWITCHGEAR"

Objectives: To become familiar with this Industrial automation is the use of control devices such as PC/PLCs/PACs to control industrial processes and machinery by replacing as much as possible labor intervention and dangerous assembly operations with automated ones. In industrial control a wide number of process variables such as temperature, flow, pressure, distance, and liquid levels can be sensed simultaneously

Date: 7th Mar to 13th Mar 2017

Time: 9:00 AM to 4:00 pm

Location: The Oxford College of Engineering

Organized by: PROLIFIC SYSTEMS AND TECHNOLGIES PVT LTD

Audience: VIII Sem Students of Electrical and Electronics Engineering

Number of Students: 28

Speaker: Mr. Shivashankar, Mr. Anilkumar, Mr. Abhilash

Method Adopted: Theory sessions along with hands on sessions

Materials Used: 2 PLC, 1 SCADA ,1 DRIVE

Description Programmable Logic Controller (PLC) is a digital computer interface used for the automation of various electro-mechanical processes in industries. The program is written on a computer and is downloaded to the PLC via cable. Supervisory Control And Data Acquisition (SCADA) is a control system architecture that uses computers, networked data communications and graphical user interfaces for high-level process supervisory management.

Outcomes: Students gets familiar with aims to provide good opportunity for the industry, and students to gain basic knowledge about industrial automation applications using PLC and SCADA With the speed of changing technology today it is easy to lose sight or knowledge of the basic theory or operation of programmable logic.

HOD-EEE

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Website:www.theoxford.edu Email : engprincipal@theoxford.edu
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Academic Year 2016-17

Report of Technical Training

Title: Technical Training on "EMBEDDED SYSTEM-CRANES VARSITY"

Objectives: To become familiar with this syntax, semantic and all the main features of C. Understand how to implement any concepts into programs. Be aware of the challenges and pitfalls of C and master the technique to avoid them. Understand the main strategies to build the simplest, most flexible and reliable code. To understand the different data structures and their uses.

Date: 7th Mar to 16th Mar 2017

Time: 9:00 AM to 4:00 pm

Location: The Oxford College of Engineering

Organized by: Cranes Software International Limited

Audience: VIII Sem Students of Electrical and Electronics Engineering

Number of Students: 88

Speaker: Ms.Shubhra, Ms. Nischita R, Ms. Ramya, Mr. Chand Basha

Method Adopted: Theory sessions along with hands on sessions

Materials Used: Linux operating system-GCC compiler

Description: The full form of an ARM is an advanced reduced instruction set computer (RISC) machine, and it is a 32-bit processor architecture expanded by ARM holdings. The applications of an ARM processor include several microcontrollers as well as processors. The architecture of an ARM processor was licensed by many corporations for designing ARM processor-based SoC products and CPUs. This allows the corporations to manufacture their products using ARM architecture. Likewise, all main semiconductor companies will make ARM-based SOCs such as Samsung, Atmel, TI etc.

Outcomes: Students gets familiar with ARM 7 based LPC2148 microcontroller pin configuration. For the electrical and electronic engineering students, this information will give a basic knowledge on pin configuration, I/O ports memory, as well as registers. This will assist students to understand the basics of the microcontroller. A global ARM community partners have developed semiconductor as well as product-design corporations includes an employs like engineers, designers, & developers. Students will get to work in all microcontroller based companies.

HOD-EEE

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Hosur Road, Bommanahalli, Bengaluru-560 068

Website:www.theoxford.edu Email : engprincipal@theoxford.edu

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DEPARTMENT OF MECHANICAL ENGINEERING

Academic Year 2016-17

SUMMARY REPORT

Sl. No.	Title	Duration	Venue	Faculty I/c
1.	Design of Circuit for Fluid Power System	2 Weeks	Mechatronics Lab	Sri. Raghavendra N, Sri. Raghu P

1. Design of Circuit for Fluid Power System:

A two weeks add on course has been conducted between 07.01.2019 to 21.01.20219 successfully under the Guidance of Sri. Raghavendra N and Raghu. The Lab is conducted in Mechatronics Lab. Total number of Students enrolled for the course is 30 No's. The course is offered to Final Year students.

The course enable students to apply the basic knowledge of fluid power system into practical use, an elementary knowledge of Fluid power system application is imparted through designing of simple circuits. This will help the students to learn practical use of knowledge of Fluid Power System in the Modern Industry which is not provided in the Syllabus.

COURSE OUTCOME

Title: Design of Circuit for Fluid Power System

Duration: 02 week
Venue: Mechatronics lab
Faculty: Raghavendra N, Raghu K, Nagaraja T.V.

Theory syllabus

Unit – 1: Introduction to the design of hydraulics circuits, control elements, direction control valve, check valve, pressure control valve, symbolic representation (06 hours)

Unit – 2: PLC Applications in fluid power systems
Introduction, trouble shooting-oil hydraulics, Trouble shooting-pneumatics (06 hours)

Text books: 1.Fluid power with application-Anthony Esposito
2. Oil hydraulics-S.R. Majumdar

Reference book: Hydraulics and pneumatics-Andrew parr

Practical syllabus

1. Hydraulic clamping circuits for machine tools
2. Hydraulic circuits for feed operation in machine tools
3. Speed control of hydraulic cylinder using direction and speed control valves
4. Hydraulic circuit for plastic injection molding machine
5. To build on/off circuit for single and double acting cylinders (03x06=18 hours)

Industrial visit:

Course outcomes:

At the end of course the student will be able to:

- Get an insight into the application of hydraulic and pneumatic system
- Build and interpret hydraulic and pneumatic circuits related to industrial applications
- Familiarize with logic controls and trouble shooting

Coordinator **HOD**

THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bengaluru-560 068

Website:www.theoxford.edu Email : engprincipal@theoxford.edu

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DEPARTMENT OF CIVIL ENGINEERING

Academic Year 2016-17

Report

Title: Technical Training on "SOFTSKILLS AND TRAINING"

Objectives: To improve communication and technical skills.

Date: 7th Mar to 9th Mar 2017 Time: 9:00 AM to 4:00 pm

Location: Department of Civil Engineering. The Oxford College of Engineering

Organized by: Seventh Sense Talent Solution, Bangalore

Audience: VIII Sem Students of Civil

Number of Students: 11

Speaker: Ms. Bhargavi P

Method Adopted: Theory sessions along with hands on sessions

Materials Used: Project Management Tool

Description: The training mainly focused on fine tuning the communication skills of students, Main topics covered were: Body language, Public speaking, Presentation skills, Interviewing skills, Numerical ability etc.,

Outcomes: Students were improved their communication skills and they have successfully completed the task.

Head of the Department
Department of Civil Engineering
The Oxford College of Engineering
Bangalore-560 068.

HOD- CIVIL ENGINEERING

THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bengaluru-560 068

Website:www.theoxford.edu Email : engprincipal@theoxford.edu

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DEPARTMENT OF CIVIL ENGINEERING

Academic Year 2016-17

Course Outcome

Title: Technical Training on "**SOFTSKILLS AND TRAINING**"

Objectives:

1.To improve communication and technical skills.

2.To improve leadership quality.

3. To improve emotional maturity and emotional health.

Description:

The training mainly focused on fine tuning the communication skills of students, Main topics covered were: Body language, Public speaking, Presentation skills, Interviewing skills, Numerical ability etc.,

Outcomes:

1.Resilience – learning to keep going when things don't go according to plan, coping with the unfamiliar, managing disappointment and dealing with conflict

2.Teamwork – learning to connect and work with others to achieve a set task

3.Leadership – assessing the requirements of a task, identifying the strengths within the team, utilising the diverse skills of the group to achieve the set objective, awareness of risk/safety

4.Communication – demonstrating clear briefing and listening skills, not being afraid to ask for help and support when necessary

5.Emotional maturity and emotional health – learning to handle emotions including tolerance and behavioural responses, building positive friendships and bonding with peers and classmates, learning to show understanding and to demonstrate respect for the opinions, personal space and beliefs of others

6.Confidence and enthusiasm for learning – developing self-motivation, raised aspirations and belief in one's own abilities, defining and committing to achieving one's goals

.

Head of the Department
Department of Civil Engineering
The Oxford College of Engineering
Bangalore-560 068.

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THE OXFORD COLLEGE OF ENGINEERING
Hosur Road, Bommanahalli, Bengaluru-560 068
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DEPARTMENT OF AUTOMOBILE ENGINEERING

Academic Year 2016-17

Report

Title: Technical Training on "CATIA V5"

Objective: To provide training on CATIA V5 modelling,design and development skill and prepare them to industry ready requirements.

Date: 27th FEB to 4th March 2017 Time: 9:00 AM to 4:00 pm

Location: The Oxford College of Engineering

Organized by: CADMAXX Solutions Pvt.Ltd

Audience: VII Sem Students of Automobile

Number of Students : 42

Speaker: Mr.Basappa V D and Mr.Uday Kuamr

Method Adopted: Theory sessions along with hands on sessions

Materials Used: CATIA V5 R16 Software

Description CATIA V5 Fundamentals should not be viewed as just a basic course, as together with the key CATIA skills that are on offer, the student will also pick up very important advice on engineering methodologies. The course includes a mixture of presentation and tutorial, enabling students to gain hands-on experience.

Students will be able:

- Create and Save various types of CATIA V5 documents
- Differentiate and switch between a selection of workbenches
- Perform various tasks concerning 3D Navigation and geometry selection
- Create and constrain sketches
- Descibe the functinal capabilities and general usage of:
- Part Design,Generative Shape Design,Assembly Design
- To develop the competences needed to align technology solutions with business goals.
- To face the emerging challenges in the job market.

27/2/2017
HOD-AUTMOBILE ENGINEERING

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DEPARTMENT OF MANAGEMENT STUDIES

THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bengaluru-560 068

Department of Management Studies

Academic Year : 2016-17

Date 1st September 2017
Academic Year 2016-2017

REPORT

Title: Technical Training on Soft skills and Training

Objectives:

- By the end of the soft skills training program, the students should be able to:
- Develop effective communication skills (spoken and written).
- Develop effective presentation skills.
- Conduct effective business correspondence and prepare business reports which produce results.

Date: 18th September 2017 to 23rd September 2017Location: Department of Management Studies, The Oxford College of Engineering

Organized by : Seventh Sense Talent Solution, Bangalore

Audience: IV Sem students of MBA

Speaker:

Method Adopted: Theory session along with hands on sessions

Materials used: Project Management Tools

Description: Soft skills help students fully utilize their hard skills. Skills such as conflict resolution, emotional intelligence, time management, working well under pressure are critical in the workplace. Students with soft skills make for good team players and efficient managers.

Outcomes: Students were improved their communication skills and they have successfully completed the task

HEAD OF DEPARTMENT /MBA

HOD, Dept. of Business Administration
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bangalore 560 068

Children's Education Society ®
THE OXFORD COLLEGE OF ENGINEERING
Hosur Road, Bommanahalli, Bangaluru - 560 068
080-30219618/01/02/04, Fax: 080-25730551,30219629,
Email: hodmcatoce@theoxford.edu, website: www.theoxford.edu
(Approved by AICTE, NBA, New Delhi & Affiliated to VTU, Belgaum)
Department of Computer Applications (MCA)

2016-17.

Technical Training IoT Report

The IoT Training Program was held from 7.3.17 to 11.3.17. The training was very rmation to the students was very information to the students. It also covered all the important s related to IoT program. We thought they could have included more of practical sessions on e topics.

appreciate the work and training given to the students, it will help them to build a better future, given their extra time in order to learn IoT.

y Names and Signature

SHORK B P

Jana. S. Murthy

Sudha K

Saranya B.K

HOD-MCA 11/3

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THE OXFORD COLLEGE OF ENGINEERING
Hosur Road, Bommanahalli, Bengaluru-560 068
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Website:www.theoxford.edu Email : engprincipal@theoxford.edu
(Approved by AICTE, New Delhi, Accredited by NBA, New Delhi & Affiliated to VTU, Belgaum)

Academic Sem: Feb'18 to May'18

Report

Title: Technical Training on "DevOps"

Objective: To provide training on DevOps skill and prepare them to industry ready requirements.

Date: 5th March to 10th March 2018 **Time:** 9:00 AM to 4:00 PM

Location: The Oxford College of Engineering

Organized by: JSpiders, Bangalore

Audience:8th Sem Students of CSE (47)

Speaker: Mr.Rakesh SB and Mr. Shanti Kumar

Method Adopted: Theory sessions along with hands on sessions

Materials Used: Git, Maven, Jenkins software

Description: The Training was planned for the DevOps skill development for the students which would help them in their career, placements and their final year project work. All the sessions were well organized and it was also fully practical based session. Students were also exposed to interview questionnaires and real-life projects. They have been trained with the advanced tools for solving problems, projects and interview questions.

Outcome:
Students will be able

- To obtain in-depth knowledge of various DevOps tools.
- To become certified practitioner in Continuous Development, Testing, Configuration Management, and Continuous Monitoring of Software throughout its development life cycle.

HOD/CSE

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Hosur Road, Bommanahalli, Bengaluru-560 068
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Academic Sem: Feb'18 to May'18

Report

Title: Technical Training on "Big Data Hadoop"

Objective: To provide training on Big Data skill and prepare them to industry ready requirements.

Date: 5th March to 10th March 2018 **Time:** 9:00 AM to 4:00 PM

Location: The Oxford College of Engineering

Organized by: QSpiders, Bangalore

Audience: 8th Sem Students of CSE (63)

Speaker: Mr.Akshay V Kumar and Mr. Dhanush

Method Adopted: Theory sessions along with hands on sessions

Materials Used: Cloudera and Vmplayer

Description: The Training was planned for the development of big data skill for the students, which would help them in their career, placements and their final year project work. All the sessions were well organized and it was also fully practical based session. Students were also exposed to interview questionnaires and real life projects. They have been trained with the advanced tools for solving problems, projects and interview questions.

Outcome:
Students will be able

- To get a deeper knowledge of various Big Data frameworks
- To have Hands-on learning on Big data Analytics with Hadoop
- To work on projects related to banking, governmental sectors, e-commerce websites, etc
- To extract information with Hadoop MapReduce using HDFS, Pig, Hive, etc.
- To upgrade their career in the field of Big data

HOD/CSE

2017-18

CLOSURE REPORT
FOR
NETWORK SECURITY TRAINING CLASSES

Organized by: Department of ISE

Conducted by: Ether Global Services Pvt Ltd

Duration of the course: 45hrs,[Theory-30 hrs & lab practice -15hrs]

Trainers Name: Mr. Sekhar Jyoti

Venue For Theory& Practical Session: The Oxford college of Engineering

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Department of Information Science &Engineering, The Oxford college of Engineering has organized Network security Training classes for final year students of ISE. The training was conducted by Ether global Services Pvt Ltd, Banglore from 5th March 2018 to 10th March 2018.A total of 47 students enrolled for this program (ISE -38 and ECE-08). Total duration of the course was 45hrs, which includes 15 hrs of lab practices and 30hrs of theory. This course has covered entire Network security Concepts. Pre assessment test was conducted on 5th March 2018 & post assessment test was conducted on 12th March 2018 for the enrolled students.

All the Network security theory and Lab practices classes were held at The Oxford College of Engineering from 9.00 am to 4.15pm dated from 5th March 2018 to 10th March 2018.

The Trainer was Mr. Sekhar Jyoti. He is qualified Cisco Certified Networking trainer and possess hands on expertise in technologies pertaining to Routers, switches, VOIP, LAN and have in-depth knowledge about theories and methods used in designing, development and delivering successful corporate training modules.

By doing this course the students are exposed to the following network security concepts:

- Basics of networking and security, how to perform Subnetting for a given IP address.
- Understanding of firewalls, Access control list and VPN problems.
- At the end of this course revision classes and mock test were conducted.
  The above concepts was explained practically through Cisco Packet Tracer (Simulation Software)

Benefits of Network security Certificate:

- Gives better prospects of occupying stable job positions in reputed IT companies
- Proved good skills and experience in installing, configuring and operating LAN, WAN and dial access services for networks.

Assessment tests: Both pre & post assessment tests were conducted and there is good progress & knowledge acquisition noticed.

Certificates: Then Network security course completion certificates will be issued on 15/3/18 afternoon 12:30pm

Feedback: Feedback was collected from students. Sample feedback forms are attached for conformation.

[Geetanjali]

for HOD-ISE

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2017-18

CLOSURE REPORT
FOR
INTERNET OF THINGS TRAINING CLASSES

Organized by: Department Of ISE

Conducted by: Ether Global Services Pvt Ltd, Banglore.

Duration of the course: 45hrs[Theory-10 hrs & lab practice -35hrs]

Trainers Name: Mr.Anil

Venue for Theory & Practical Session: The Oxford college of Engineering

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Department of Information Science &Engineering, The Oxford college of Engineering has organized IOT Training classes for final year students of ISE has conducted by Ether global Services Pvt Ltd, banlgore from 5th March 2018 to 10th March 2018.A total of 56 students enrolled for this program (ISE – 36 and ECE - 20). Total duration of the course was 45hrs, which includes 35 hrs of lab practices and 10hrs of theory. Pre assessment test was also conducted on 5th March 2018 & post assessment test was also conducted on 12thMarch 2018 for the enrolled students.

All the IOT classes were held at The Oxford College of Engineering from 9.00 am to 4.15pm dated from 5th March 2018 to 10th March 2018.

The Trainer Mr.Anil was conducted all classes for students. Mr.Anil IOT trainer and possess hands on expertise in arduino, wifi, light sensors, temperature sensors, LED blinking and LCD display and have in-depth knowledge about theories and methods used in designing, development and delivering successful corporate training modules.

By doing this course the students are exposed to the following IOT concepts:

- Gain knowledge of low-cost technologies, connectivity, data and sensors.
- Understanding of architecture of arduino board, Access control to various sensors.
- Apply the knowledge of IOT to implement smart home, smart cities etc.

Benefits of IOT Certificate:

- To get good job opportunity.
- Proved good skills and experience in configuring and operating.

Assessment tests: Both pre & post assessment tests were conducted and there is good progress & knowledge acquisition noticed.

After completion of course ether Global Services Pvt Ltd provided 2 set of components (arduino board, light sensors, wifi connectors and multi-color wires).

Certificates: [redacted] IOT course completion certificates will be issued on 15/3/18 afternoon 12:30pm

Feedback: Feedback was collected from students. Sample feedback forms are attached for conformation.

HOD-ISE

M.R Yadukrishna M.R
[YADUKRISHNA M.R]

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THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bengaluru-560 068
Website:www.theoxford.edu Email : engprincipal@theoxford.edu
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Academic Year 2017-18

Report of Technical Training

Title: Technical Training on "AUTOMATION (PLC & SCADA), DRIVES, LV SWITCHGEAR"

Objectives: To become familiar with this Industrial automation is the use of control devices such as PC/PLCs/PACs to control industrial processes and machinery by replacing as much as possible labor intervention and dangerous assembly operations with automated ones. In industrial control a wide number of process variables such as temperature, flow, pressure, distance, and liquid levels can be sensed simultaneously

Date: 5th Mar to 10th Mar 2018

Time: 9:00 AM to 4:00 pm

Location: The Oxford College of Engineering

Organized by: AXIS GLOBAL AUTOMATION GROUP OF COMPANIES

Audience: VIII Sem Students of Electrical and Electronics Engineering

Number of Students: 30

Speaker: Mr. Vinay Sai S, Mr. Raja Sekaran D, Mr. Dheeraj sharma, Mr. Ashwin raja

Method Adopted: Theory sessions along with hands on sessions

Materials Used: 2 PLC, 1 SCADA ,1 DRIVE

Description Programmable Logic Controller (PLC) is a digital computer interface used for the automation of various electro-mechanical processes in industries. The program is written on a computer and is downloaded to the PLC via cable. Supervisory Control and Data Acquisition (SCADA) is a control system architecture that uses computers, networked data communications and graphical user interfaces for high-level process supervisory management.

Outcomes: Students gets familiar with aims to provide good opportunity for the industry, and students to gain basic knowledge about industrial automation applications using PLC and SCADA with the speed of changing technology today it is easy to lose sight or knowledge of the basic theory or operation of programmable logic.

HOD-EEE

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Hosur Road, Bommanahalli, Bengaluru-560 068
Website:www.theoxford.edu Email : engprincipal@theoxford.edu
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Academic Year 2017-18

Report of Technical Training

Title: Technical Training on "EMBEDDED SYSTEM-CRANES VARSITY"

Objectives: To become familiar with this syntax, semantic and all the main features of C. Understand how to implement any concepts into programs. Be aware of the challenges and pitfalls of C and master the technique to avoid them. Understand the main strategies to build the simplest, most flexible and reliable code. To understand the different data structures and their uses.

Date: 5th Mar to 12th Mar 2018 Time: 9:00 AM to 4:00 pm

Location: The Oxford College of Engineering

Organized by: Cranes Software International Limited

Audience: VIII Sem Students of Electrical and Electronics Engineering

Number of Students: 58

Speaker: Ms.Shubhra, Ms. Nischita R, Ms. Ramya, Mr. Chand Basha

Method Adopted: Theory sessions along with hands on sessions

Materials Used: Linux operating system-GCC compiler

Description: The full form of an ARM is an advanced reduced instruction set computer (RISC) machine, and it is a 32-bit processor architecture expanded by ARM holdings. The applications of an ARM processor include several microcontrollers as well as processors. The architecture of an ARM processor was licensed by many corporations for designing ARM processor-based SoC products and CPUs. This allows the corporations to manufacture their products using ARM architecture. Likewise, all main semiconductor companies will make ARM-based SOCs such as Samsung, Atmel, TI etc.

Outcomes: Students gets familiar with ARM 7 based LPC2148 microcontroller pin configuration. For the electrical and electronic engineering students, this information will give a basic knowledge on pin configuration, I/O ports memory, as well as registers. This will assist students to understand the basics of the microcontroller. A global ARM community partners have developed semiconductor as well as product-design corporations includes an employ like engineers, designers, & developers. Students will get to work in all microcontroller-based companies.

HOD-EEE

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Hosur Road, Bommanahalli, Bengaluru-560 068

Website:www.theoxford.edu Email : engprincipal@theoxford.edu

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DEPARTMENT OF CIVILENGINEERING

Academic Year 2017-18

Course Outcome

Title: Technical Training on "**Being Employable"**

Objective:

1.To understand the gap between the industry and curriculum.

2.Understand the need of fresh graduates ,they should be imbibed immediately before their first job.

3.To enable the industry at large to feel comfortable to absorb the candidates.

Description:

This training will help BE students to meet industry requirements in the field of Civil Engineering and also as training for students seeking career enhancement skills.

Course Outcome

1.To understand the gap between the industry and curriculum.

2.Understand the need of fresh graduates ,they should be imbibed immediately before their first job.

3.To enable the industry at large to feel comfortable to absorb the candidates.

Head of the Department
Department of Civil Engineering
The Oxford College of Engineering
Bangalore-560 068.

HOD-CIVIL ENGINEERING

THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bengaluru-560 068

Website:www.theoxford.edu Email : engprincipal@theoxford.edu

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DEPARTMENT OF CIVILENGINEERING

Academic Year 2017-18

Report

Title: Technical Training on "Being Employable"

Objective: To understand the gap between the industry and curriculum, also what the fresh graduates need and what should be imbibed immediately before their first job, to enable the industry at large to feel comfortable to absorb the candidates.

Date: 5th Mar to 10th March 2018 Time: 9:00 AM to 4:00 pm

Location: Department of Civil Engineering. The Oxford College of Engineering

Organized by: S-CME

Audience: VIII Sem Students of Civil

Number of Students : 10

Speaker: Mr. A N Prakash

Method Adopted: Theory sessions along with hands on sessions

Materials Used: Project Management Tool

Description: This training will help BE students to meet industry requirements in the field of Civil Engineering and also as training for students seeking career enhancement skills.

Head of the Department
Department of Civil Engineering
The Oxford College of Engineering
Bangalore-560 068.

HOD-CIVIL ENGINEERING

THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bengaluru-560 068

Website:www.theoxford.edu Email : engprincipal@theoxford.edu

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DEPARTMENT OF AUTOMOBILE ENGINEERING

Academic Year 2017-18

Report

Title: Technical Training on "ANSYS"

Objectives: To learn and get familiar with the ANSYS Workbench. 2. To learn the basic steps of modelling MEMS devices using ANSYS Workbench. 3. To learn the simulation and analysis steps of the MEMS model.

Date: 5th March to 10th March 20180 Time: 9:00 AM to 4:00 pm

Location: The Oxford College of Engineering

Organized by: NOVA-GLOBAL TECHNOSOFT PVT LTD16, 80 Feet Ring Rd, Stage 1, KHB Colony, Basaveshwar Nagar, Bengaluru, Karnataka 560079

Audience: VII Sem Students of Automobile

Number of Students:42

Speaker: Mrs.Siddiqa & Mr. Manjunath Burli

Method Adopted: Theory sessions along with hands on sessions

Materials Used: ANSYS Software

Description: ANSYS Mechanical is a finite element analysis tool that is widely used for analyzation and solving complex mechanical problems. The tool is efficient in predicting the behavior of the components in the manufacturing industry and real-world environments. ANSYS globally supports engineering simulation with the delivery of high-quality products developed in less time through the better information-based process.

Outcomes:

- They will be able to model simple and complex composite model in ANSYS
- They will be able to work with ACP tools
- They will be able to work with different ANSYS analysis tools in workbench
- They will learn how to work with ANSYS workbench

5/3/2018

HOD-AUTMOBILE ENGINEERING

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DEPARTMENT OF MANAGEMENT STUDIES
THE OXFORD COLLEGE OF ENGINEERING
Hosur Road, Bommanahalli, Bengaluru-560 068

Department of Management Studies

Academic Year : 2017-18

REPORT

Title: Technical Training on Soft skills and Training

Objectives: To Improve communication and technical skills

Date: 16//04/20218 to 25/04/2018

Location: Department of Management Studies, The Oxford College of Engineering

Organized by : Seventh Sense Talent Solution, Bangalore

Audience: IV Sem students of MBA

Speaker:

Method Adopted: Theory session along with hands on sessions

Materials used: Project Management Tools

Description: Description: Soft skills help students fully utilize their hard skills. Skills such as conflict resolution, emotional intelligence, time management, working well under pressure are critical in the workplace. Students with soft skills make for good team players and efficient managers.

Outcomes: Students were improved their communication skills and they have successfully completed the task

HEAD OF DEPARTMENT /MBA
HOD & Dept. of Business Administration
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bangalore 560 068

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THE OXFORD COLLEGE OF ENGINEERING
Hosur Road, Bommanahalli, Bangaluru - 560 068
080-30219618/01/02/04, Fax: 080-25730551,30219629,
Email: hodmcatoce@theoxford.edu, website: www.theoxford.edu
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Department of Master of Computer Applications

Technical Training Android Report

The Android Training Program was held from 5.3.18 to 10.3.18. The training was very information to the students was very information to the students. It also covered all the important topics related to Android program. We thought they could have included more of practical sessions on all the topics and some more time .

We appreciate the work and training given to the students, it will help them to build a better uture, if they given their extra time in order to learn Android Course .

aculty Names and Signature

ASHOK B P

JC ACHUTHA

HOD-MCA 20/3/18

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
THE OXFORD COLLEGE OF ENGINEERING
Hosur Road, Bommanahalli, Bengaluru-560 068
080-30219601/02, Fax : 080-25730551,30219629,
Website:www.theoxford.edu Email : engprincipal@theoxford.edu
(Approved by AICTE, New Delhi, Accredited by NBA, New Delhi & Affiliated to VTU, Belgaum)

Academic Sem: Feb'19 to May'19

Report

Title: Technical Training on "Big Data and IOT"

Objective: To provide training on Big Data and IOT skill and prepare them to industry ready requirements.

Date: 25th February 2019 to 2nd March 2019 **Time:** 9:00 AM to 4:00 PM

Location: The Oxford College of Engineering

Organized by: AVV Aspire Solutions Pvt. Ltd.

Audience: 8th Sem Students of CSE (111)

Speaker: Mr. Nilesh Kumar Gupta and Ms. Mahira Banu

Method Adopted: Theory sessions along with hands on sessions

Materials Used: Cloudera, Vmplayer, Arduino, RIOT OS, and Raspbian

Description (only 10-15 lines): The Training was planned for the development of Big data and IoT skill for the students, which would help them in their career, placements and their final year project work. All the sessions were well organized and it was also fully practical based session. Students were also exposed to interview questionnaires and real life projects. They have been trained with the advanced tools for solving problems, projects and interview questions.

Outcome:
Students will be able

- To get a deeper knowledge of various Big Data frameworks
- To have Hands-on learning on Big data Analytics with Hadoop
- To work on projects related to banking, governmental sectors, e-commerce websites, etc
- Able to understand the application areas of IOT
- Explore the relationship between IoT, cloud computing, and big data
- Identify how IoT differs from traditional data collection systems

HOD, CSE

CLOSURE REPORT
FOR
CYBER SECURITY TRAINING CLASSES

Organized by: Department of ISE

Conducted by: AVV Aspire Solutions Pvt Ltd

Duration of the course: 40hrs.

Trainers Name: Mr. Ishaan Sharma

Venue For Theory& Practical Session: The Oxford college of Engineering

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Department of Information Science &Engineering. The Oxford college of Engineering has organized Network security Training classes for final year students of ISE. The training was conducted by AVV Aspire Solutions Pvt Ltd, Banglore from 25th February 2019 to 2nd March 2019.A total of 41 students enrolled for this program .Total duration of the course was 40hrs. This course has covered entire Cyber security Concepts.

All the Cyber security theory and Lab practices classes were held at The Oxford College of Engineering from 9.00 am to 4.15pm dated from 25th February 2019 to 2nd March 2019.

The Trainer was Mr. Ishaan Sharma. He is qualified Ethical Hacking & Computer Forensics trainer and possess hands on expertise and have in-depth knowledge about theories and methods used in designing, development and delivering successful corporate training modules.

By doing this course the students are exposed to the following Cyber security concepts:

- Basics of Cyber security **AIC (Availability, Integrity, and Confidentiality)**.
- Understanding of different types of cyber attacks..
- At the end of this course revision classes and mock test were conducted.

Benefits of Cyber security Certificate:

- Gives better prospects of occupying stable job positions in reputed IT companies.
- Cyber security is vital for career roles such as penetration tester, cyber security analyst, network analyst, cybe rsecurity auditor, cyber security architect, forensics investigator, and many more.

Certificates: Then Cyber security course completion certificates will be issued for the students.

Feedback: Feedback was collected from students. Sample feedback forms are attached for conformation.

HOD-ISE

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CLOSURE REPORT
FOR
BIG DATA & IOT Training

Organized by: Department Of ISE

Conducted by: AVV Aspire Solutions Pvt Ltd

Duration of the course:40hrs

Trainers Name: Nilesh Kumar Gupta

Venue For Theory & Practical Sessions : The Oxford college of Engineering-ISE Seminar Hall

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COURSE OVERVIEW

Department of Information Science &Engineering, The Oxford college of Engineering has organized BIG DATA & IOT Training classes for final year students of ISE has conducted by AVV Aspire Solutions Pvt Ltd, from 25th Feb 2019 to 2nd March 2019 .A total of 31 students enrolled for this program . Total duration of the course was 40hrs.. Post assessment test was also conducted at the end of training for all the students.

All the CCNA theory classes &lab practices were held at ISE Seminar Hall, The Oxford College of Engineering **from** 9.00 am to 4.15 pm dated from 25th Feb 2019 to 2nd March 2019.

The trainer Mr. Nilesh Kumar Gupta was conducted all classes for students. Mr. Nilesh Kumar Gupta has done many projects in data analytics. He also worked in many MNC as project head . He has good knowledge in Bigdata & Data Analytics
All topics were explained well with proper examples. Also the classes were interactive.

Additional benefits given to students apart from the course:

- Python software was shared with the students
- PPT's & PDF of course contents were shared with the students
- Softcopy of Lab Practical Materials were the students.

By doing this course the students got an understanding of the following key technologies and concepts:

At the end of this course revision classes and mock test were conducted.
After completing these course students were advised to write CCNA exam.

This training can help to land a job in data analytics & IOT

Assessment tests: Post assessment tests were conducted and there is good progress & knowledge acquisition noticed.

Certificates: Then Bigdata & IOT course completion certificates were issued to all the students .

Feedback: Feedback was collected from students & also from the trainers.

HOD-ISE

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Soft Skill and Aptitude Training

03/10/2018 to 11/10/2018.

Academic Year - 2018-2019

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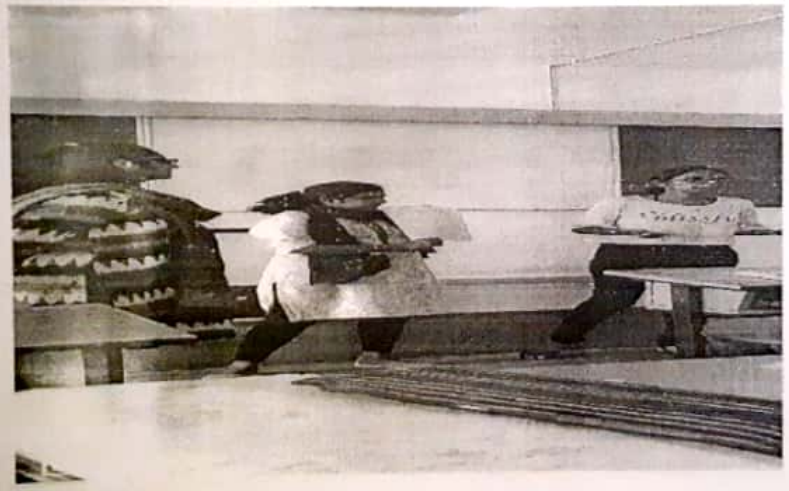
DAY1

Morning session:

The very first day morning section was taken by **MANISHA** ma'am. She was dealing about the *English* concepts, the topics covered are Grammar And Closet Test, how good we can communicated, what to be used in resume part, what to describe as strength, and what not to be, what to be used as our weakness when asked by the interviewer. Later she did some concepts related to English from the book.

Then she made us to do activate. It's like she gives some 10 topic like hard working, goal oriented, etc.., And we need show through the pictorial representation of those qualities.



Afternoon section:

Afternoon section us done by **NAGARAJ** sir. He was dealing about *GD (group discussion) and Interview*. How to start a discussion? How to involve into the group discussion even though we do not know about the topic at all? He gave us a

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lot of tip regarding both the concepts, made us understand basically what the concepts mean.

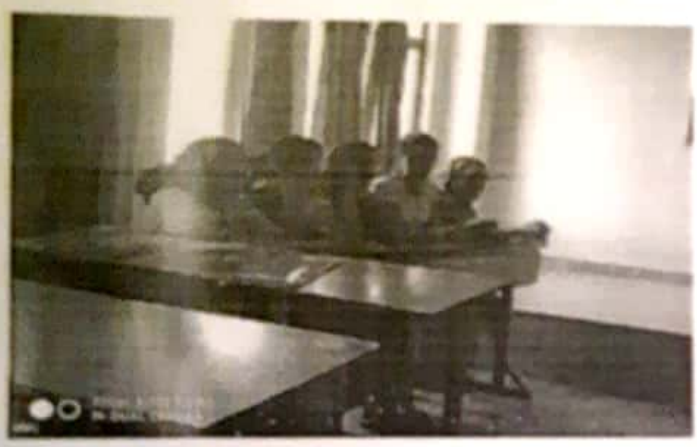
He also mention that what are main qualities which they expect from us. They are, called as "ASK"

1) Attitude (A)

2) Skill(S)

3) Knowledge (K)

Later he had made us perform a group decision among different set of peoples with different concept and said about do's and don'ts in the GD round an as well as interview section too.



DAY2

Morning session:

The session was taken up by **Ramakrishna** sir. He was dealing about the topic in aptitude that is Ratio, Proportions And Ages. He was guide us how to perform with logics and tricks that can save our time in exam point of view. He made to do some problem of his own, later made to know the exercise from book. Then gave us some tips regarding life. These concepts are given 4th most priority in aptitude during our placements.

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Afternoon session:

The session was organized by **Neeraj** sir, he was handling Letter Series And Number Series in aptitude. This session was so interesting and felt it went on so soon, as we are so much involved in it. He gave us different tip on both the concepts and hints to solve quick during test. He made us to do the exercise of letter and then an activate round was conducted and continued with number series an then again an activate and gave us some suggestions for our career and goals.

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DAY 3

Morning session:

Third day was handled by **Bhargavi** ma'am. She did Probability, Partnership. Her concepts involves about coins, cards, dice's, etc.,. She said a very easy methods and tips in solving those. About partnership she did different ideals based on simple, compound, active and sleeping partner concepts, which play a very important role in our aptitude. She made us solve problems from seven sense book as well as she gave some problems out of the book also to solve. This session was very useful and she made us do activities related to the topic also it was quite interesting.

Afternoon session:

Kavitha ma'am took this session it was all about how we deal about Subject Verbs Arrangements. It's basically an communication as well as team work role. She made very one to introduce themselves in a different matter than usual way. Later a activity which deals about how we can produce our concepts and ideas in a group and how we come up in introducing a new product into market. It help everyone to get rid of stage fear and helps in speaking skills also i.e., how to convince others with our topic and make ourselves better in a group. It's was a very interactive session. it helps everyone to share their views of ideas.

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DAY 4

Morning session:

Nagesh sir is allotted for 1st session day four. He was dealing about Communication And Interactive Session. He gave tips in introducing ourselves in our placements as we as anywhere. what to be said ,what not to be was discussed. Later he divided us into groups and asked us to come up with a

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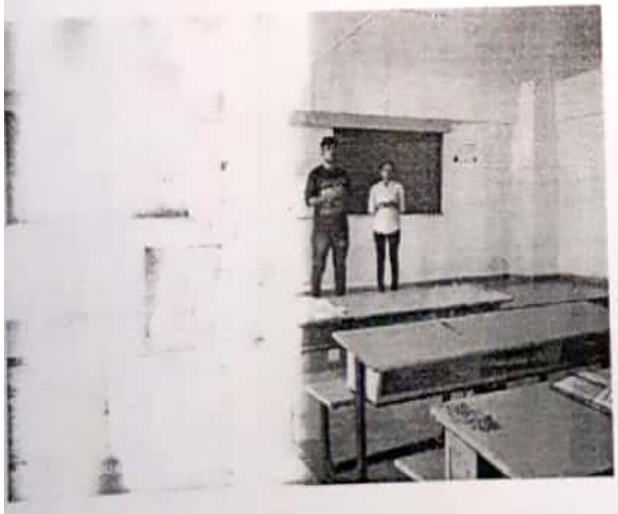
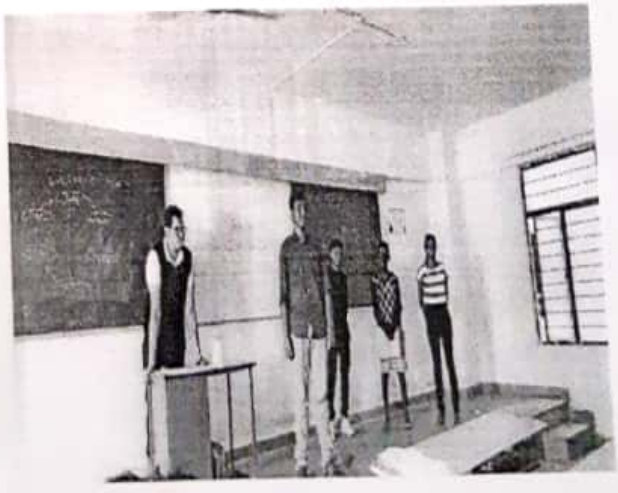
creative way of approaching with the a spot concepts and presenting in a better way .It was helped us in gaining courage to come over and speak.





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Evening session:

Kavithi Shetty ma'am was very energetic and she handled blood relation topic from aptitude. she also gave us easy ways to solve in a very short span of time during any tests. she explain different ways of methods which can appear in any aptitude exams. she gave many examplesand problems to solve and done some activities to related to concepts.

DAY 5

Morning session:

On day 5 we have **Raghunadhadan.M** sir ,who was handling topic of English like arrangements of word, one word statements. Through this session we come across very new word for our daily activities. It was one among interactive session

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Evening session:

Ahana ma'am was held for this session was cool and was very kind hearted. She was ...ng calendar topic which is not much related to math, basic math is enough ...lve these. This session also went so soon we felt as very one were so involved in doing problem by competing with each other. she was gave tips ...ifferent ways they may ask the question and easy ways to solve those, this is why we were so deep involved in doing those and a activity also done related ... subject.

DAY 6

Morning session:

Avinash sir took this session ,he was handling permutation and combinations concepts ...cally it was bit tough topic for everyone to understanding work on those ...is sir made it easy to solve made us interested in this topic also. Many problems were also with different possible ways. It was also quit interesting ...y.

Evening session:

this session was held by **Ahana** ma'am only. we have a creative thinking, group ...am work, coordination, involvement of everyone etc.., handled in this session She gave a task for 30min which involves all the above mention qualities ...g place and finally the output is evaluate . And an activities with involvement ... build and story build means how innovative our thoughts can be ... this activities.

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Over a ...essions were so important and very useful for us at this moment. I very ... was very impressive and day by day interest of learning new conce... ...ased in us.

Thank ...se session which are given at right time for us

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CHILDREN'S EDUCATION SOCIETY(REGD.)

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Hosur Road, Bengaluru-560068

Affiliated to Visvesvaraya Technological University, Belagavi&
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CHILDREN'S EDUCATION SOCIETY (REGD.) BANGALORE - 560 078

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

SOFT SKILLS TRAINING (IV Sem) REPORT 2019 ,

HELD ON MARCH 14th – 16th

Professor & HOD of E&C Engineering
The Oxford College of Engineering
Bommanahalli, Bangalore-560 068.

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14th MARCH 2019

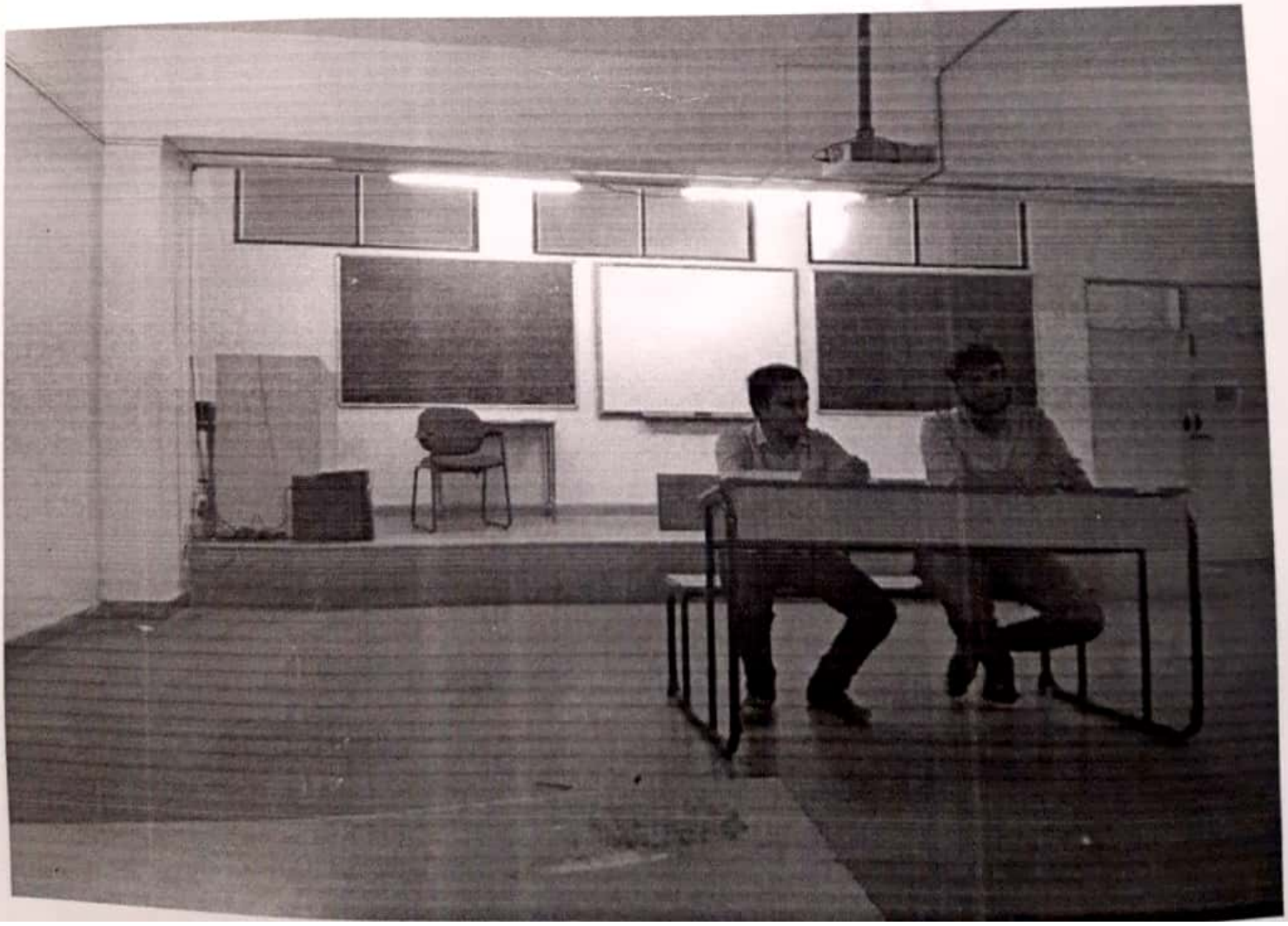
MORNING SESSION

TOPIC: Negotiation skills

Tranier: Mr.Ankith

Negotiation requires the two parties to come together with an agreement.

This session included the topics that a good Negotiator requires like the way he tries to communicate with the other person, the way he convinces them and many more. This session also had many fun activities that was related to that particular session and we had lot of fun. After the session there was short duration break for us to get prepare for the next session. The 3-4 activites was done with groups and also individual throughout the session. The activites main aim is to eliminate the stage fear from the students. One of the activity was about the interview.



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14th MARCH 2019

AFTERNOON SESSION

TOPIC: Assertive Communication

Trainer: Mr. Naveen Gowda

Working with people, not against them

Being assertive means being able to stand up for your own or other people's rights in a calm and positive way, without being aggressive, or passively accepting wrong. By learning this skill actually increase appropriate use of our behavior. He gave us a situation and we started working on it, that situation which bring aggressive in us. It helps to overcome come the difficult situation. By learning how to talk will enables us to respect everyone. This is one of the skills which we should understand it carefully.

"Let's take an example where you have to give a presentation but one of our team members has turned up twenty minutes late". We get angry and we will be so rude on our friend, what assertive communication teaches us to handle the situation in a polite way. Instead being rude we can tell them we were supposed to start presentation at 11:30, now it's 11.50.

The session was good, he did one activity to understand about the assertive communication. He made u solve puzzles.

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15th MARCH 2019

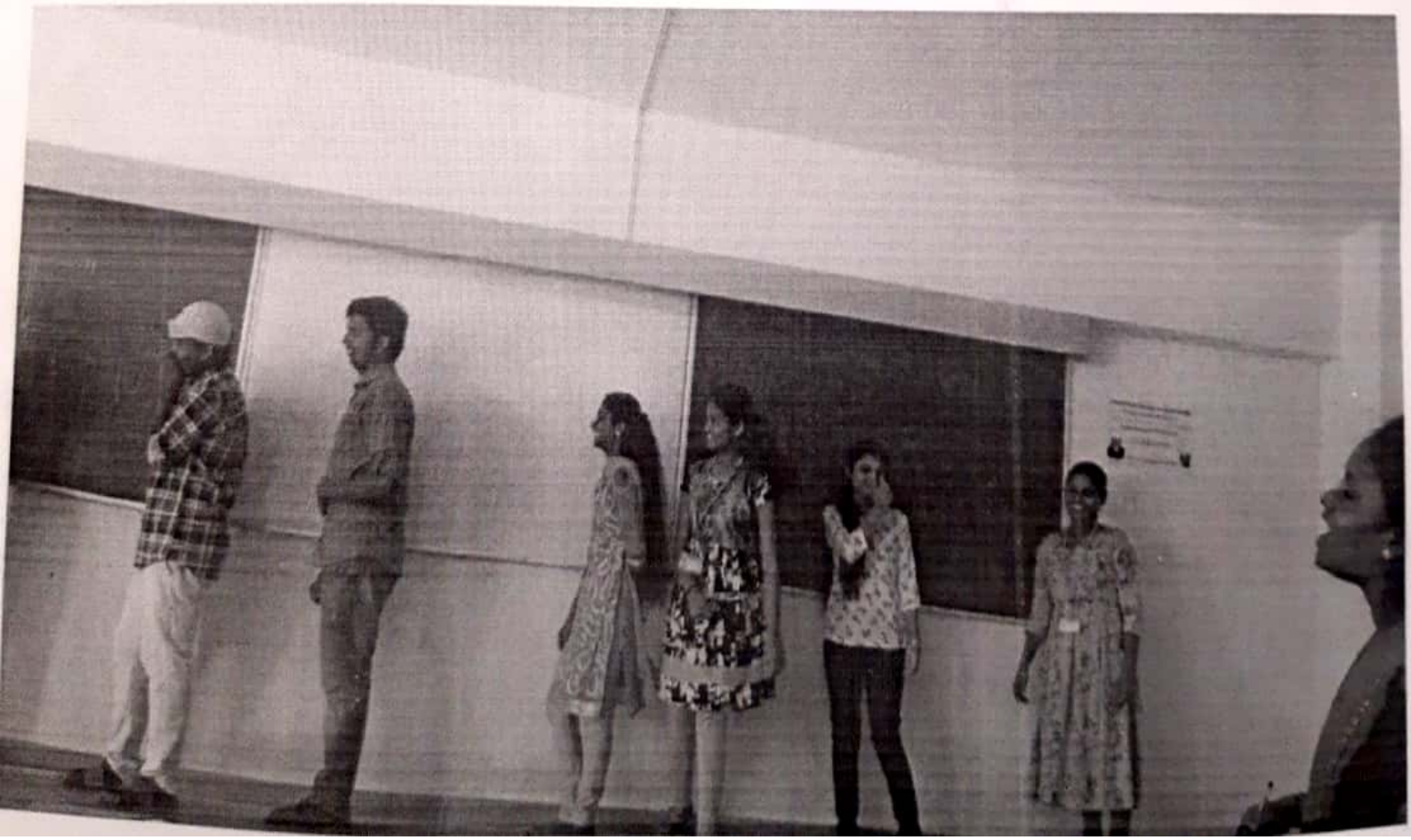
MORNING SESSION

TOPIC: Presentation skills

Trainer: Ms. Bhargavi. P.

Presenting information clearly and effectively is a key skill to get your message or opinion across and, today presentation skills are required in almost every field. She taught us the way we can give our presentation it might be the way we talk, body language and many more. We naturally feel nervous before making a presentation to overcome that she gave us a task to make presentation. We came up with an idea of presenting a product or advertising about that. She judged us and directed us the ways in which we can improve our presentation skills. Finally, how we present it in an effective way then surely it will affect the customer in a positive way or else in a negative way. The main purpose of this skill is an effective presentation can influence and inspire the team.

We really enjoyed the session and made us to understand the things better, how to present the information in front of others. She taught us the steps of presentation. The presentation was done in small groups, plus there were 2-3 activities that was done throughout the session.



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15th MARCH 2019

AFTERNOON SESSION

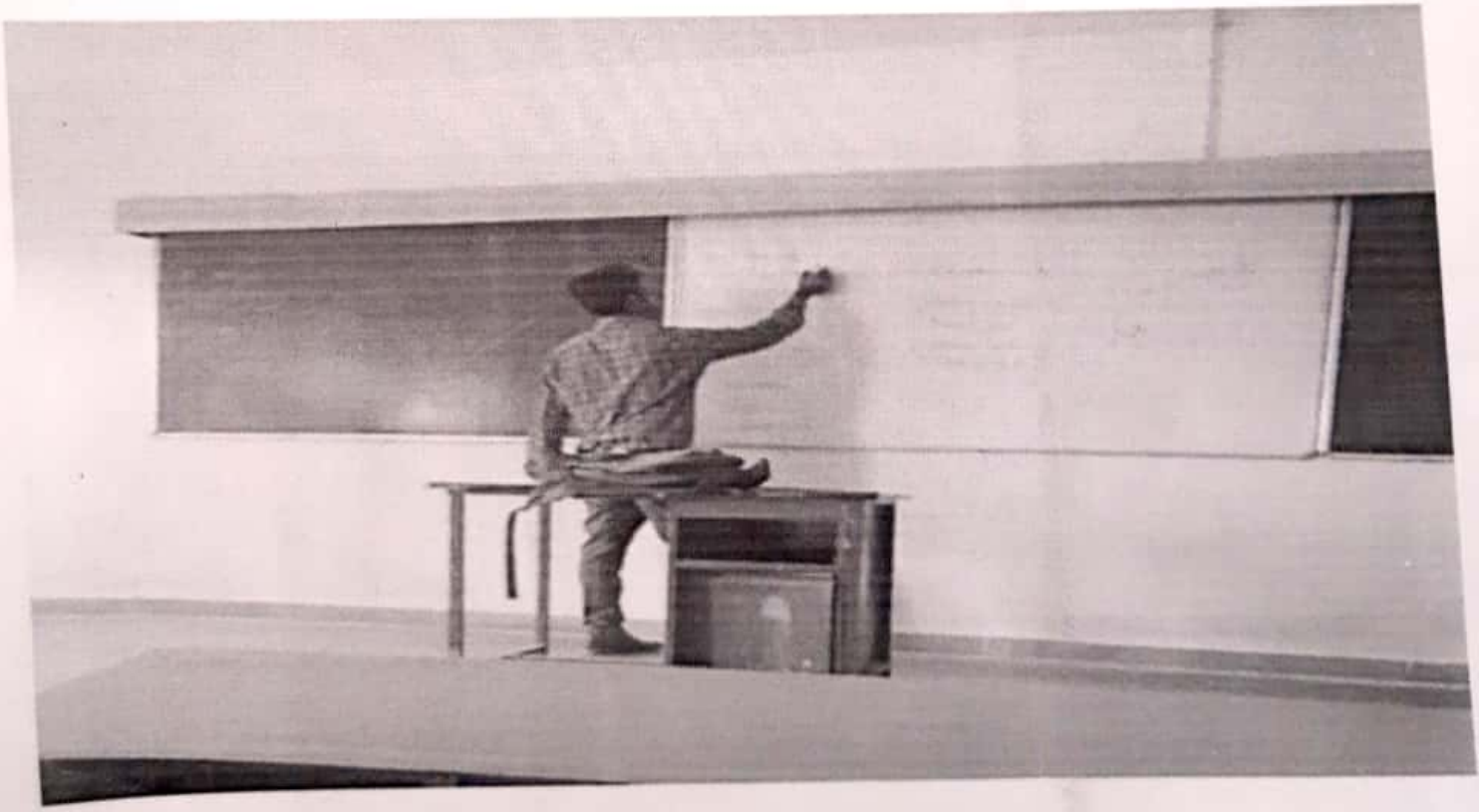
TOPIC: Skill Development

Trainer: Mr. Basil

Skill development is used for exchange of real information, evidence of their own ability and important confidence. The skill development includes listening skills, speaking skills, reading skills and writing skills. Listening skills is language skill which most of people find the difficult. For speaking language is tool for communication. Reading improves the language vocabulary, spelling, grammar and many more. Writing helps us to understand the text and write compositions.

In this session we have learnt about the importance of communication skills with 2-3 activities. He taught us about the importance of learning skills, speaking skills, listening skills and writing skills.

Time



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16th MARCH 2019

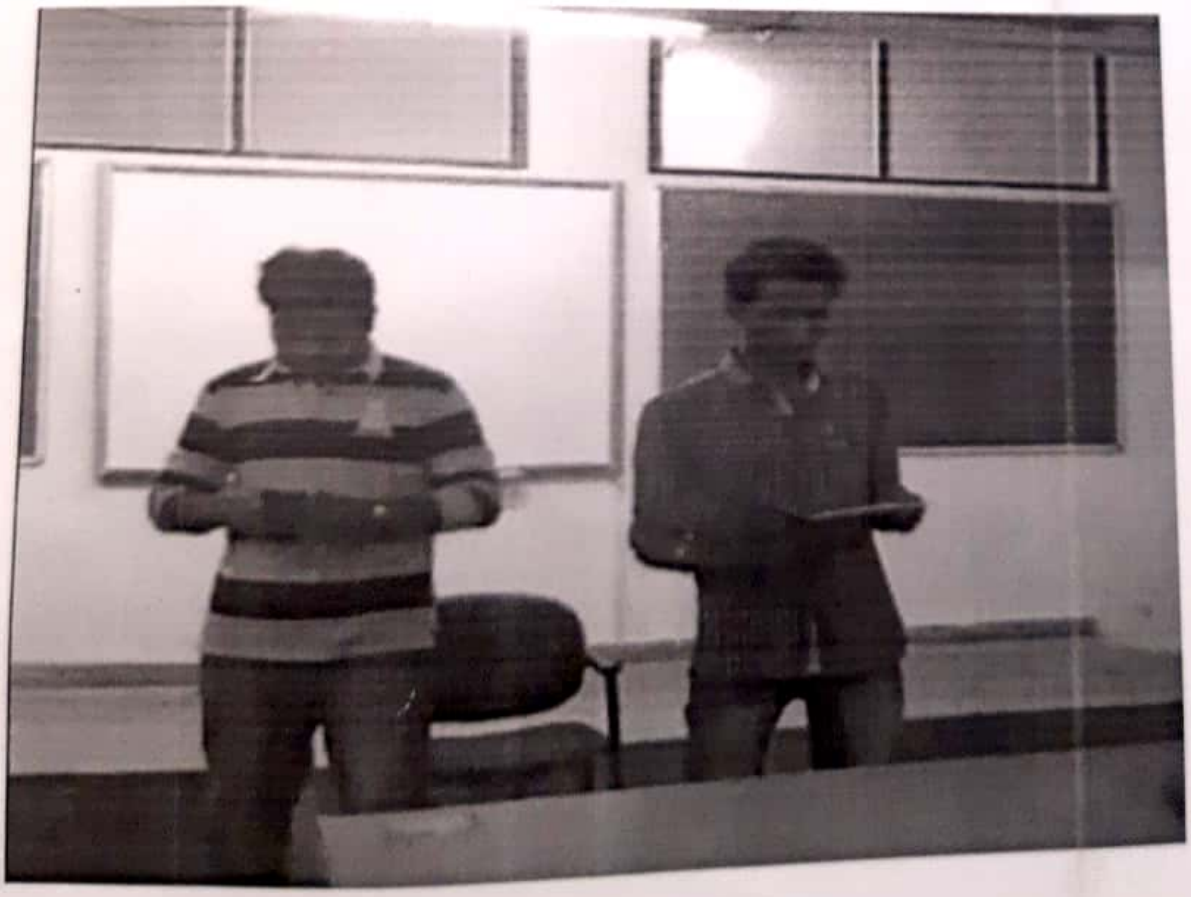
MORNING SESSION

TOPIC: Team Building

Trainer: Ms. Ankitha

Team building is the collective term for various types of activities used to enhance social relations and define roles within teams. Team building skills include the stages like forming, storming, norming and performing.

In this session the activities were done in group, so that we can understand need of the team. From that we understood in team there should be unity, mingling with other teammates, listening to other people in the team, shared our objectives, everyone participation should be equal, togetherness, helping each other and many more. We understood the success of the team is more important than individual success. There were 3-4 activities conducted in this session.



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We like to thank our PRINCIPAL **Dr. Praveena Gowda** for organizing this wonderful skill training program for us. Secondly, I like to thank our HOD mam **Mrs. Manju Devi** for giving us a wonderful opportunity to attend training. Thirdly, I like to thank our lecturers for encouraging us to attend this training and lastly, I like to thank those trainers for training us and giving such a wonderful advice, sharing their knowledge to us and guiding to the right direction. I like to thank you all once again.

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THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Hosur Road, Bangalore – 560068

(Affiliated To Visvesvaraya Technological University, Belgaum)

Department of Electronics and Communication Engineering

Report on

"TECHNICAL TRAINING FOR PYTHON, MACHINE LEARNING AND SQL"

BY

PALLE TECHNOLOGIES"

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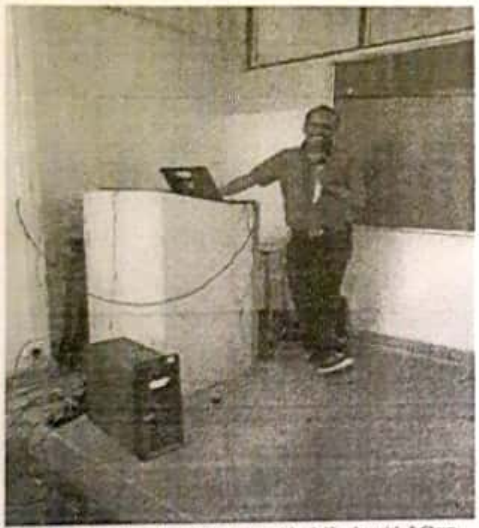
25th FEBRUARY 2019

MORNING SESSION

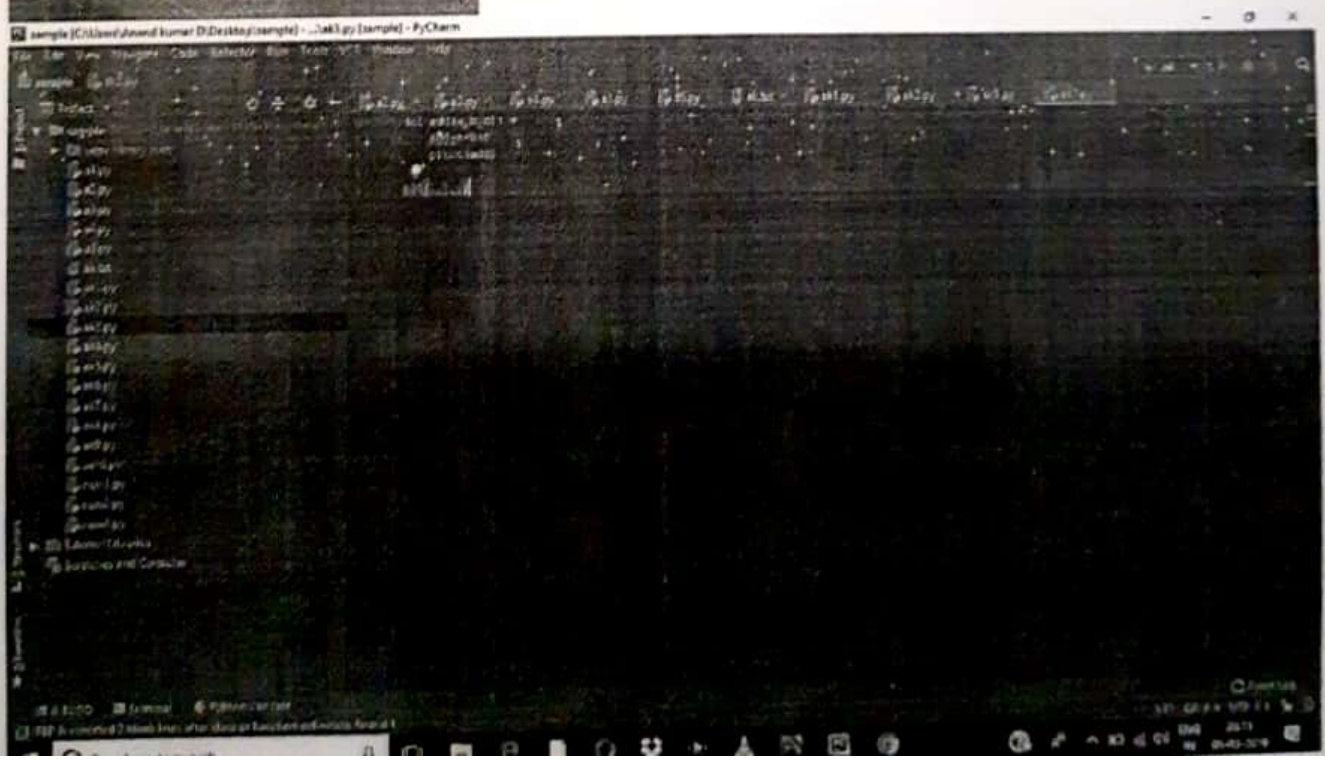
The technical training started off with learning Python. Firstly, we started with the basics of python. Then moved on to learn about how to define a variable, how to enter data into a variable and also how to print the data was shown executed in the python software. Then we moved onto the basic Data types and then about the Advanced Data types in Python.

All the above Data types were learnt in detail including the syntaxes and were checked in the pre-installed Python software with some basic examples.



This session was given by the CEO of Palle Technologies,

Mr.Lokanatha Palle



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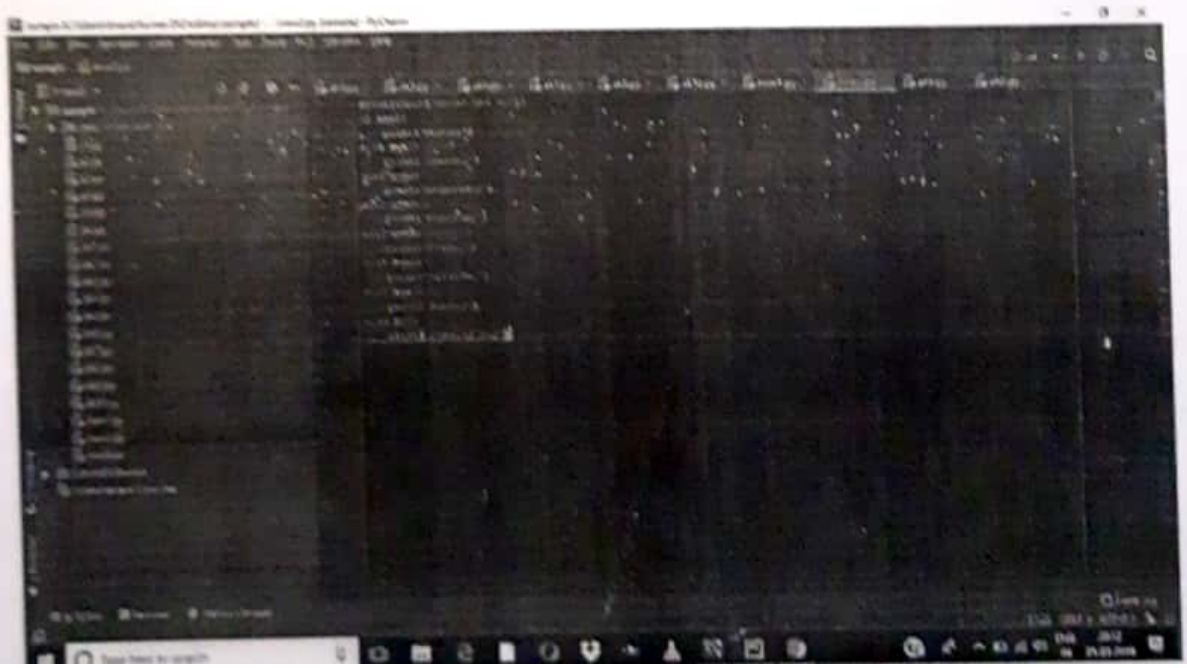
AFTERNOON SESSION

During this session we studied about the conditional statements, Operators and loops in python. All these were learnt in detail with many examples and were checked in python software. Several programs of python were discussed and made familiar with debugging the programs using Breakpoints.



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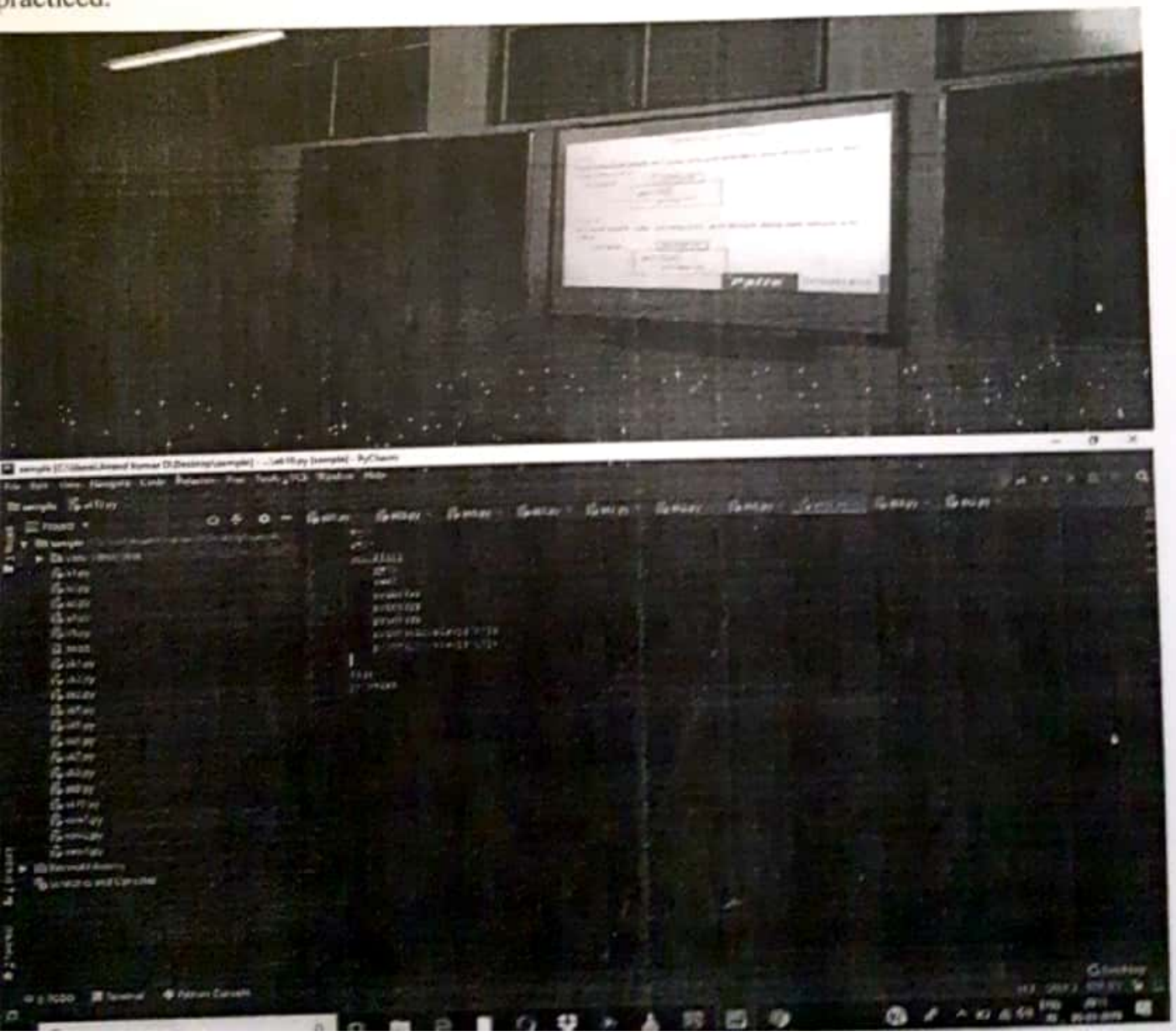
26th FEBRUARY 2019

MORNING SESSION

The second day started off with learning the functions involved in Python. Under the functions the below topics were discussed-

- function definition and method call
- returning values from methods
- types of function/method
- types of parameters

All the above were discussed in detail with their syntaxes and example programs were practiced.



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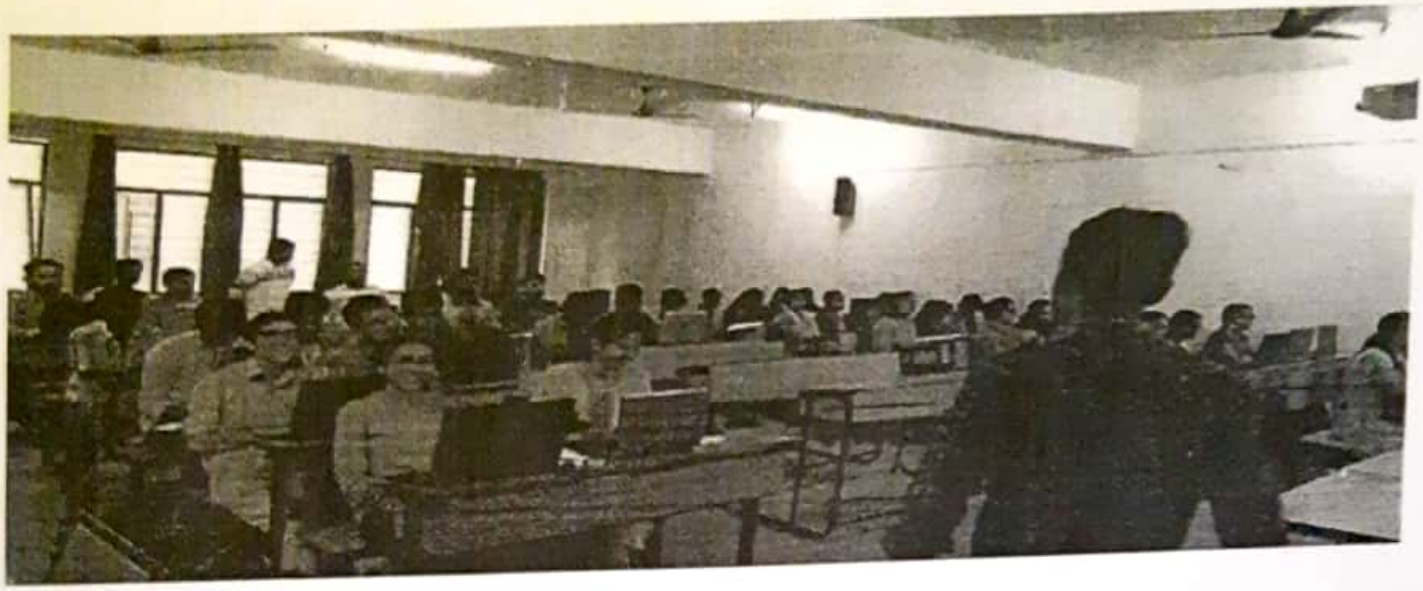
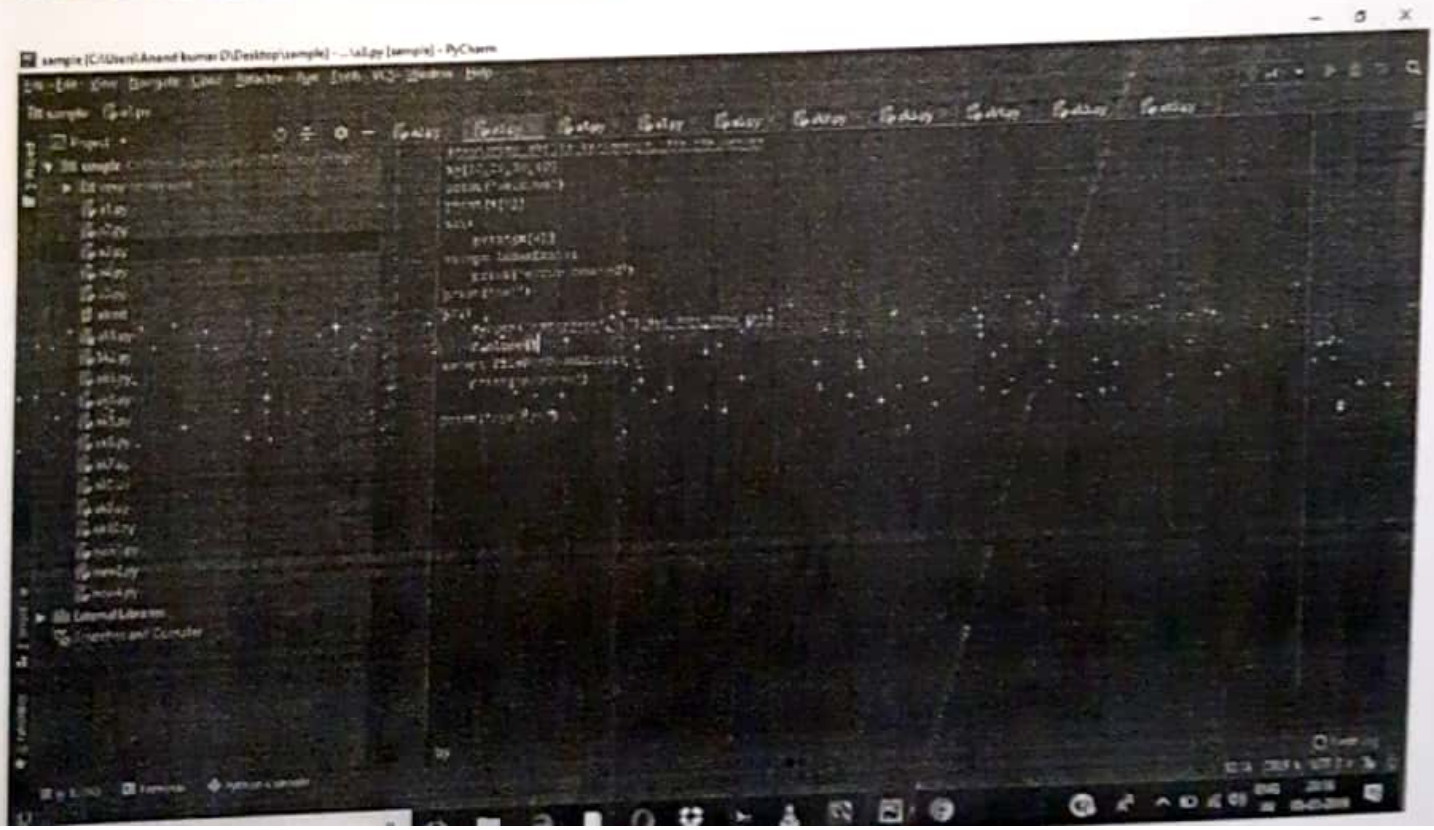
AFTERNOON SESSION

We worked on the programs that are frequently asked in the technical interview round during interviews including how to debug them using breakpoints. After that the different types of variables of python were discussed with examples. Then we moved onto the classes in python and how they were called.





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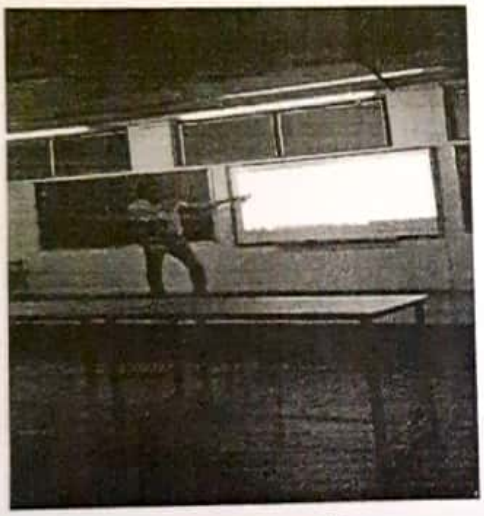
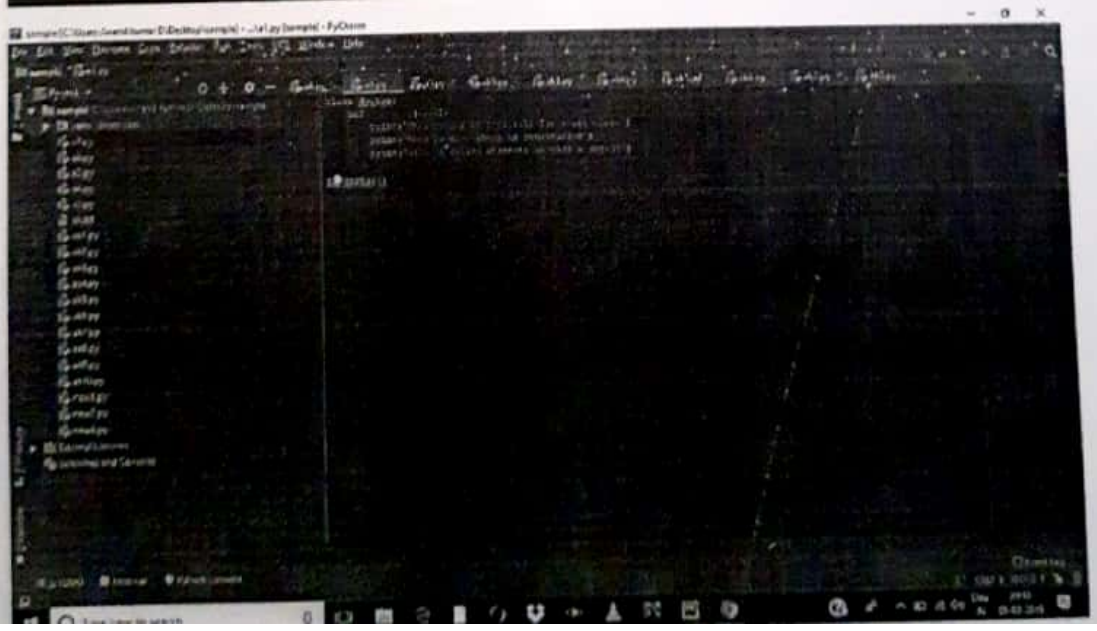
27th FEBRUARY 2019

MORNING SESSION

The day started with learning the object oriented programming (OOP) concept of python. The definitions of class and objects were discussed. Then how a class is created, the rules for creation of a class and how class is called using methods were discussed and tested in python software. Later, we discussed about the memory involved in classes. Then, the local and instance variables were compared. We learnt about inheritance in python and types of the same. We further studied about method over-riding and over-loading.



This session was taken by
Mr. Satish Reddy
From Palle Technologies



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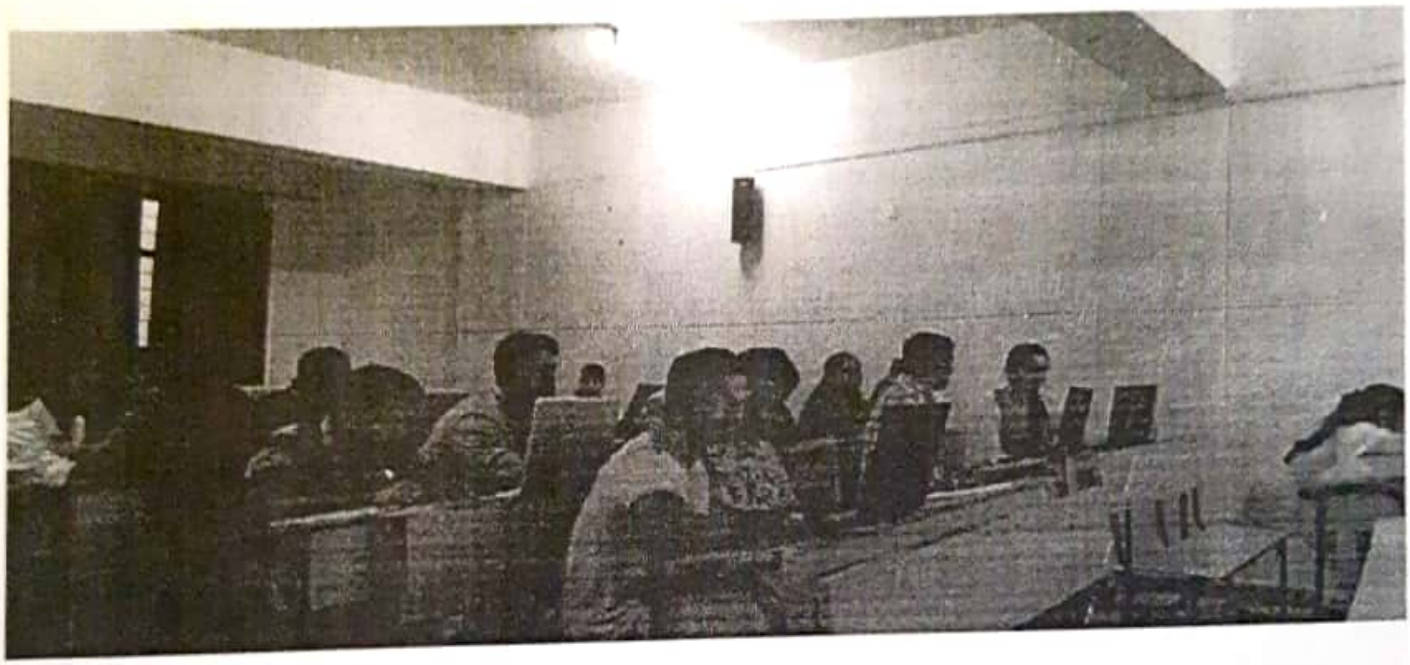
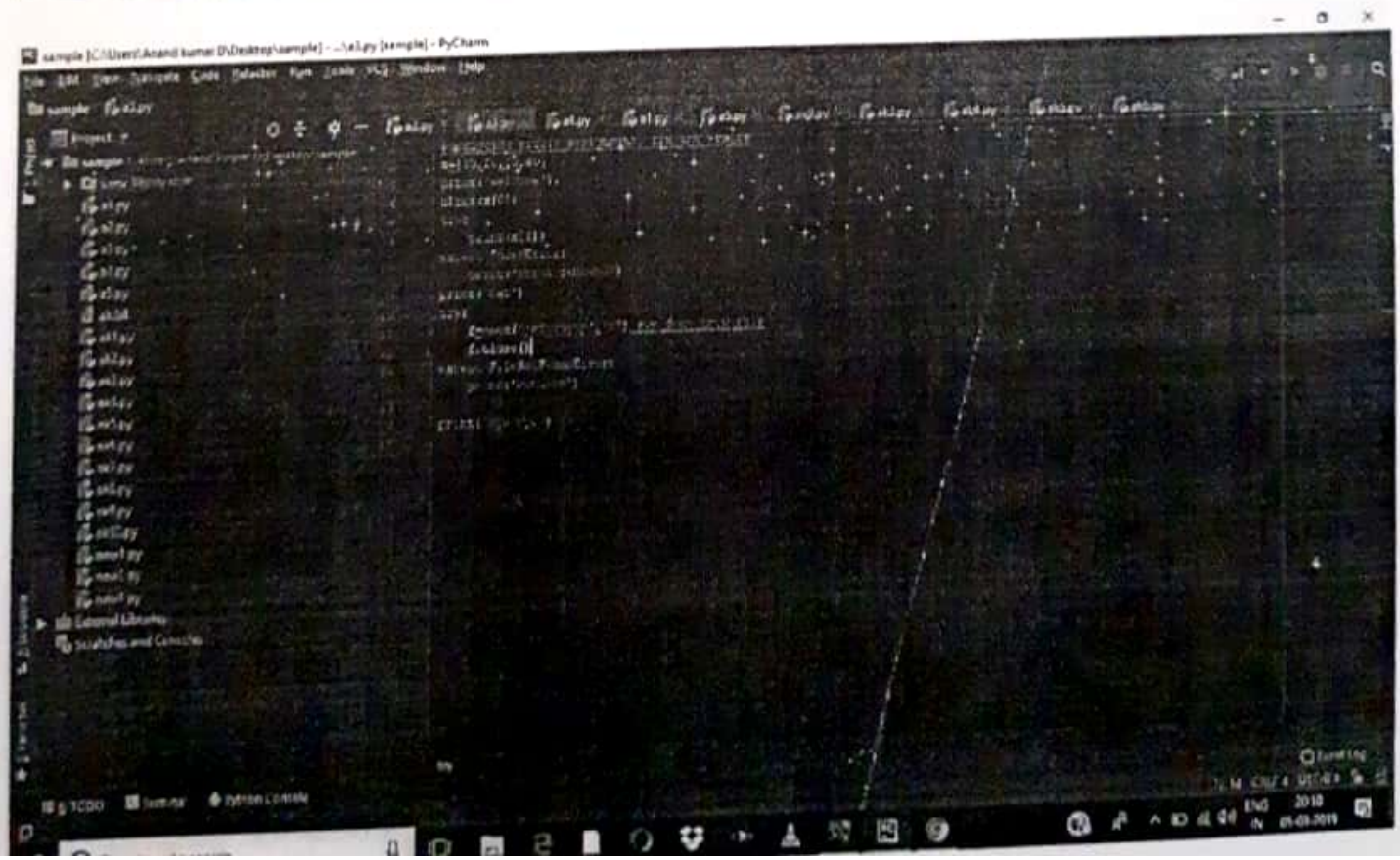
AFTERNOON SESSION

Errors and Error Handling in python during the execution of a program were discussed. Further we moved onto threads. Creation of threads and its syntax was explained. Then how to write data into a file and how to read data from a file were discussed and worked out in the python software. This was the last session for python. The trainer helped us update our resume.





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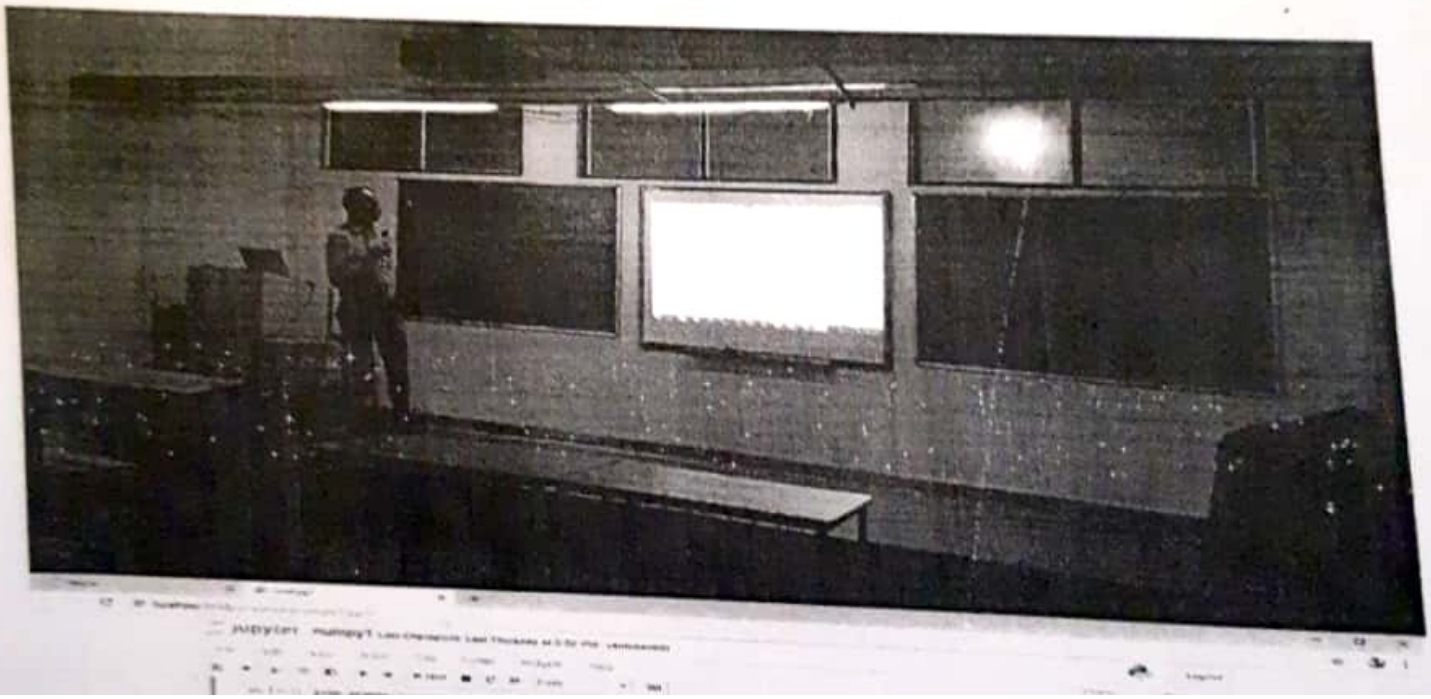
28th FEBRUARY 2019

MORNING SESSION

After learning Python we progressed onto Machine Learning (ML).The basic definition of machine learning, what types of problem it solves and how it solves problems were discussed in detail with real time examples. Then we moved onto the Machine learning process. The process includes-

- Get data
- Clean, prepare and manipulate data
- Train Model
- Test Data
- Improvisation



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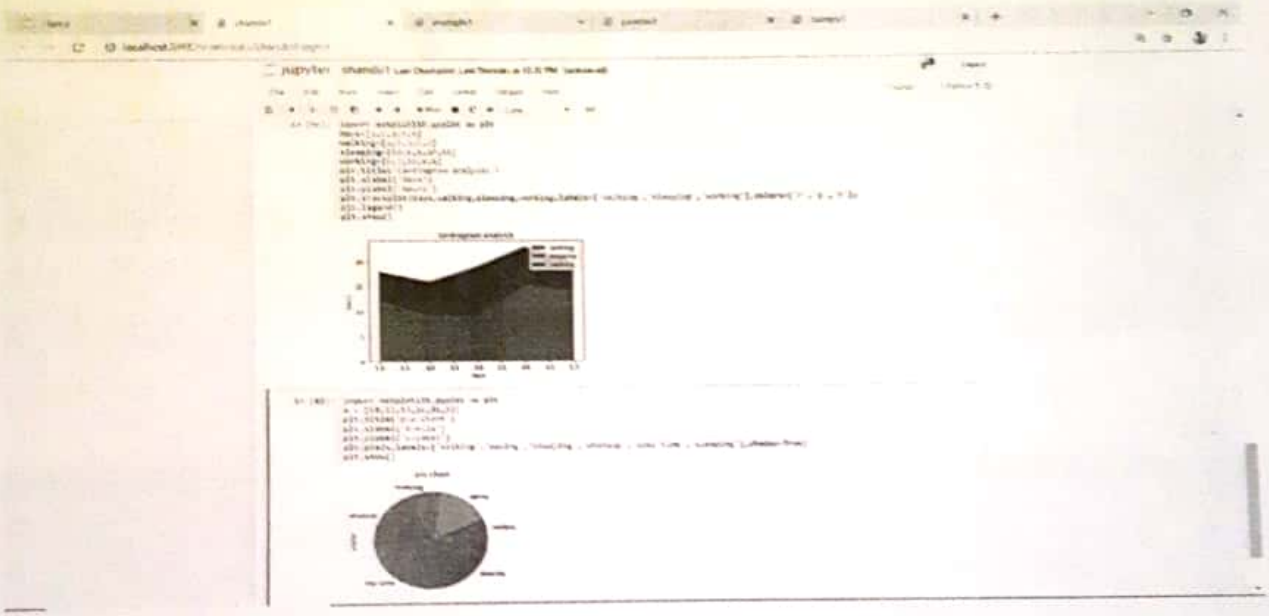
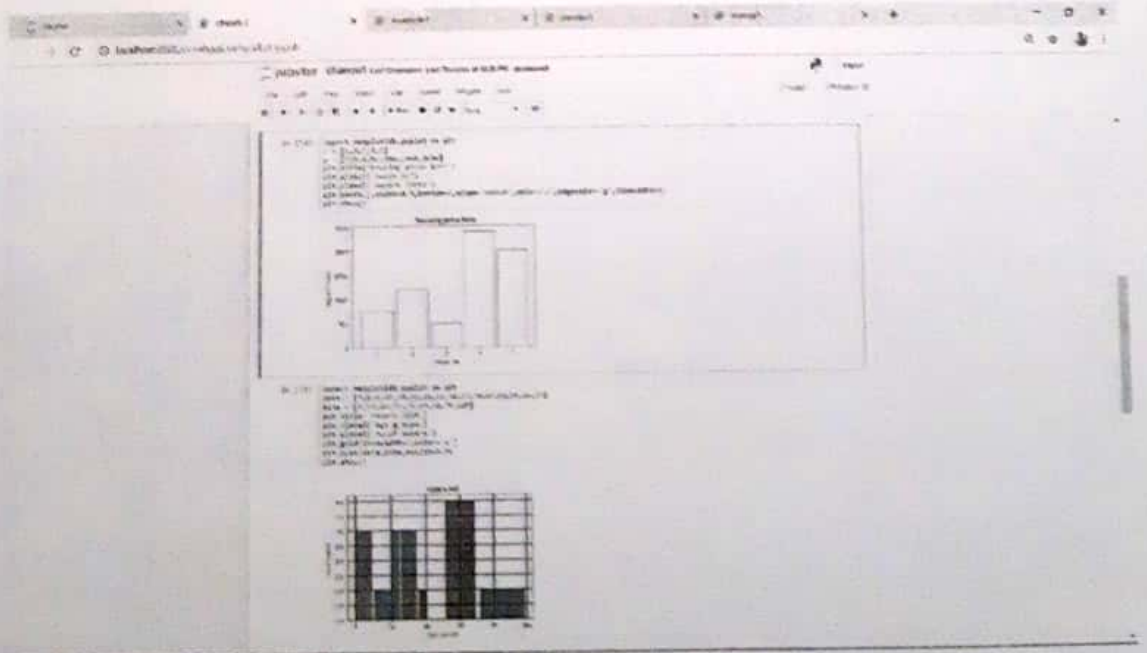
AFTERNOON SESSION

During this session we worked on the Machine learning processes in detail. All the steps included in Machine learning process that use specific software were introduced. Those are Matplotlib, Numpy, Scipy, Pandas and Jupyter Notebook. Firstly we started with matplotlib where we learnt how to represent the given data by plotting them in different forms like histogram, pie charts etc. Then moved onto numpy were we learnt how to create arrays and printing of arrays





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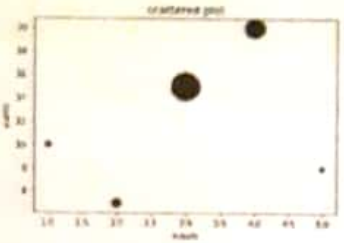
jupyter chandu1

```
import matplotlib.pyplot as plt
x = [1,2,3,4,5]
y = [10,5,15,30,6]
plt.title('scattered plot')
plt.xlabel('x axis')
plt.ylabel('y axis')
plt.scatter(x,y,s=[64,128,1024,512,32],c=['r','g','b','c','m'])
plt.show()
```




```
import matplotlib.pyplot as plt
days=[1,2,3,4,5]
walking=[2,1,7,1,2]
sleeping=[15,8,1,10,12]
working=[6,7,16,6,6]
plt.title('cardiogram analysis')
plt.xlabel('days')
plt.ylabel('hours')
plt.stackplot(days,walking,sleeping,working,labels=['walking','sleeping','working'],colors=['r','g','b'])
```

jupyter pandas1

```
import pandas as pd
```

```
x=pd.read_excel('c:\\Users\\chandi\\Desktop\\sports.xlsx')
print(x)
```

```
   1   virat  95
0  2   dhoni  78
1  3   rahul  83
2  4  chahal  55
3  5   rohit  90
```

```
print(x.describe())
```

```
              1         95
count  4.000000   4.000000
mean   3.500000  79.000000
std    1.290994  18.553481
min    2.000000  65.000000
25%    2.750000  74.750000
50%    3.500000  80.500000
75%    4.250000  84.750000
max    5.000000  90.000000
```

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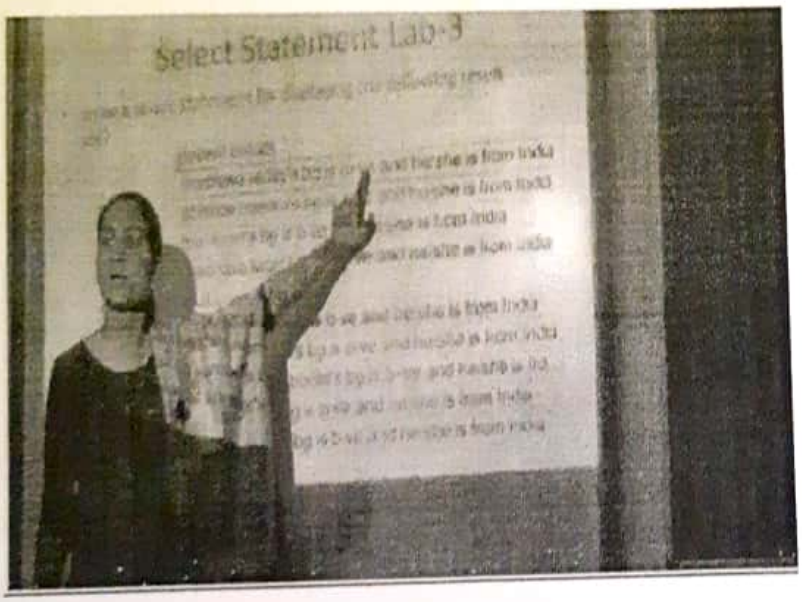
1st MARCH 2019

MORNING SESSION

Today's session was about MYSQL. Firstly, we started off with all the data types in MYSQL and then moved onto Tables. How tables are created with the proper syntax and how data is added to it were taught in detail.Secondly, we were taught about the various types of Constraints available in MYSQL. We worked on examples using different constraints in the MYSQL software which was provided by the technical training team. Then Normalization of the tables was taught in order to reduce duplication.



This session was taken by
Mrs. Vidhya B.P
From Palle Technologies

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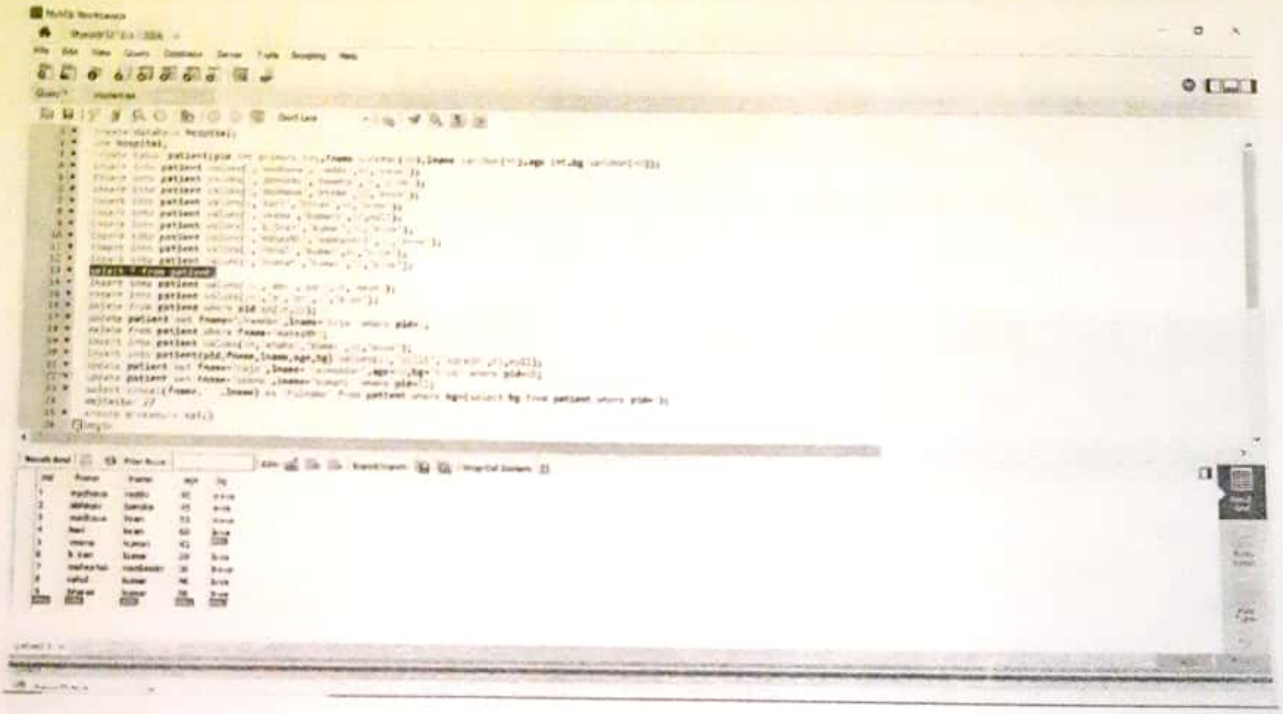
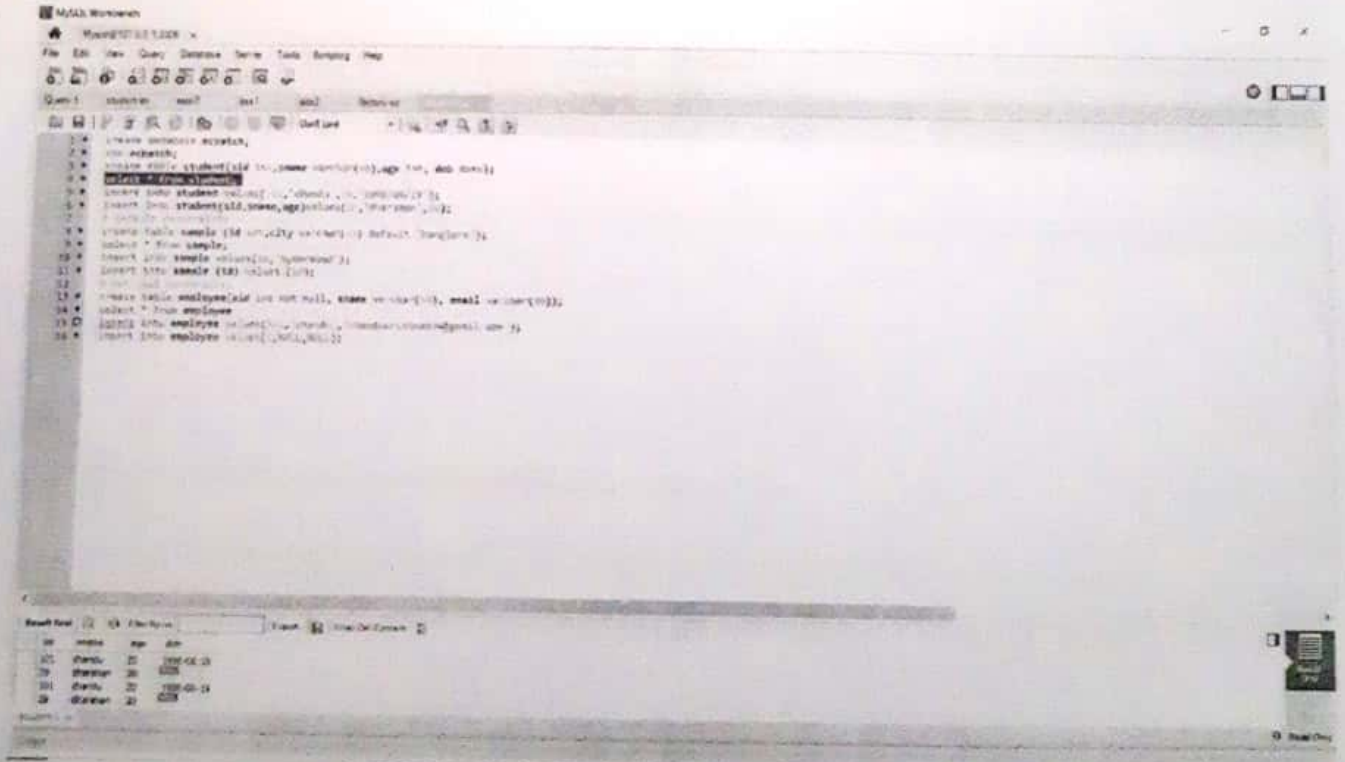
AFTERNOON SESSION

The afternoon session started off with learning about the different types of MYSQL statements. Then learnt about concatenation of columns is MYSQL. After this we had a MCQ test on python and Machine learning.





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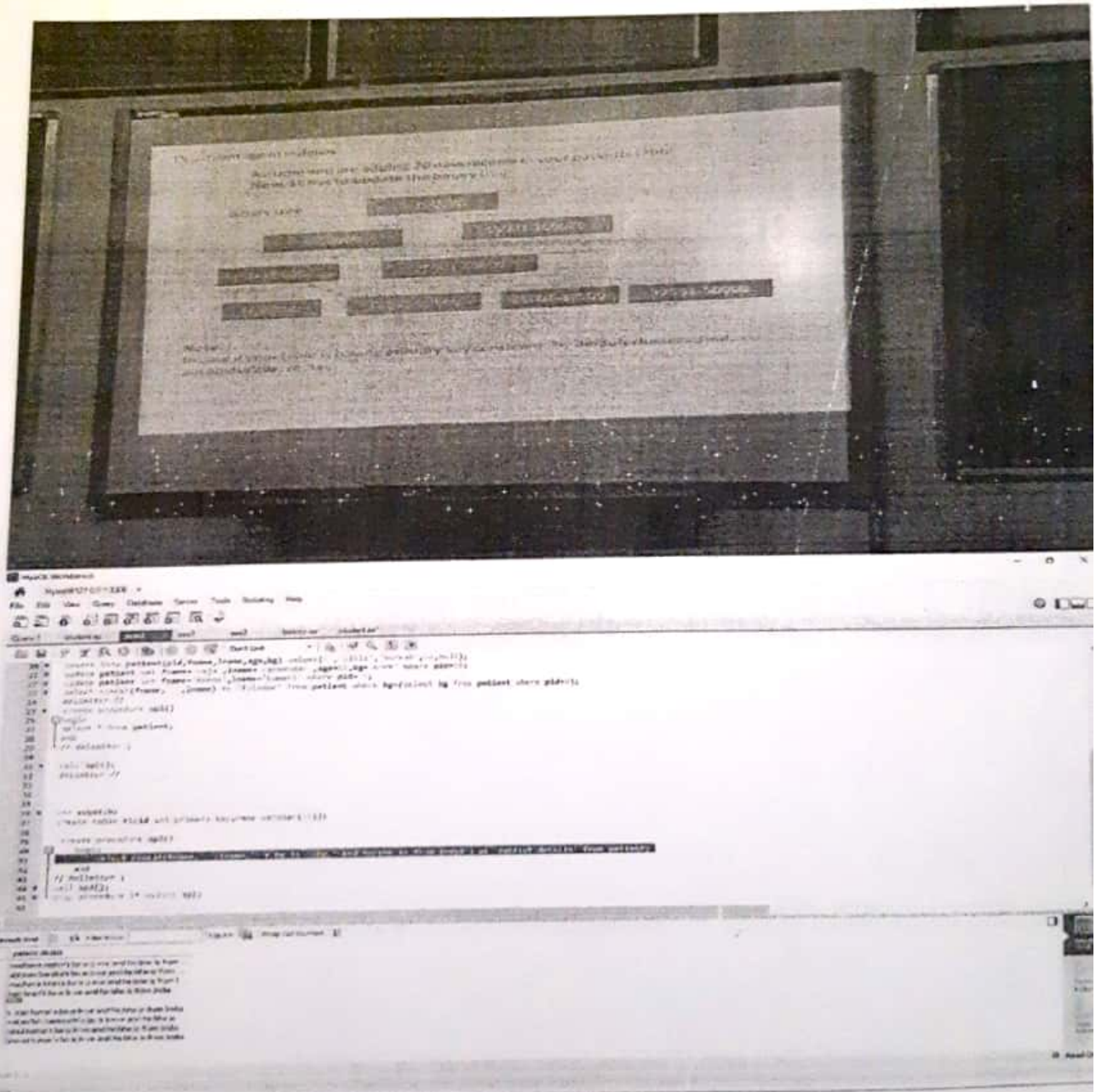
2nd MARCH 2019

The last day of the technical training started off with learning about order by clause in MYSQL and the syntax for the same. Then learnt about Generic update, insert and delete with their syntaxes and examples of the same was executed using MYSQL software. Then we moved onto sub queries and different types of sub queries. Later, we moved onto joins and types of joins, which were explained in detail with their respective syntaxes. Lastly, we were taught about procedures in MYSQL including creation of a procedure and calling a stored procedure and also indexes. The disadvantages of indexed was also discussed. The technical training ended on this day.



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FEEDBACK

This technical training was really helpful and we are looking forward to get placed in IT companies as programmers and developers. The technical training team was extremely experienced and thorough with the concepts. We really are happy with the technical training. They were calm and ready to clear our doubts. The training team has provided us with study material for python, machine learning and SQL. They have also provided with videos for learning java and SQL in detail.

If this training was given before our final year it would have helped a lot nevertheless it will really help us now find our desired job in IT industry.

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Sl.No.	USN	Name
1.	1OX15EC002	AAMIR AHMED
2.	1OX15EC005	AISHWARAYA S
3.	1OX15EC006	AKSHATA
4.	1OX15EC007	AKSHATHA P
5.	1OX15EC009	ALBERT JAMES
6.	1OX15EC011	ANAND KUMAR D
7.	1OX15EC012	ANU S
8.	1OX15EC013	ANUSHA K
9.	1OX15EC014	ANUSHA S
10.	1OX15EC015	ARAVIND I A
11.	1OX15EC016	ASHA LATHA S
12.	1OX15EC017	ASHWINI S
13.	1OX15EC019	B DHARSHAN
14.	1OX15EC020	BHAVANA.C.MATHAD
15.	1OX15EC022	C V S R SRINIVAS
16.	1OX15EC023	CHAITRA PAUL
17.	1OX15EC024	D CHANADAN KRISHNA
18.	1OX15EC026	DEEKSHITHA V
19.	1OX15EC027	DEEPA P
20.	1OX15EC029	DIKISHITHA.K
21.	1OX15EC030	FARHA RAHMAN
22.	1OX15EC031	GANESH J BIRADAR
23.	1OX15EC032	GOPI R
24.	1OX15EC033	GOVIND
25.	1OX15EC034	GOWTHAM M

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THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bengaluru-560 068
Website:www.theoxford.edu Email : engprincipal@theoxford.edu
(Approved by AICTE, New Delhi, Accredited by NBA, New Delhi & Affiliated to VTU, Belgaum)
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Academic Year 2018-19

Report of Technical Training

Title: Technical Training on "AUTOMATION (PLC & SCADA), DRIVES, LV SWITCHGEAR"

Objectives: To become familiar with this Industrial automation is the use of control devices such as PC/PLCs/PACs to control industrial processes and machinery by replacing as much as possible labor intervention and dangerous assembly operations with automated ones. In industrial control a wide number of process variables such as temperature, flow, pressure, distance, and liquid levels can be sensed simultaneously

Date: 18th Feb to 23rd Feb 2019

Time: 9:00 AM to 4:00 pm

Location: The Oxford College of Engineering

Organized by: SIMENS LTD

Audience: VIII Sem Students of Electrical and Electronics Engineering

Number of Students: 94

Speaker: Mr. Vinay Sai S, Mr. Raja Sekaran D

Method Adopted: Theory sessions along with hands on sessions

Materials Used: 2 PLC, 1 SCADA ,1 DRIVE

Description Programmable Logic Controller (PLC) is a digital computer interface used for the automation of various electro-mechanical processes in industries. The program is written on a computer and is downloaded to the PLC via cable. Supervisory Control and Data Acquisition (SCADA) is a control system architecture that uses computers, networked data communications and graphical user interfaces for high-level process supervisory management.

Outcomes: Students gets familiar with aims to provide good opportunity for the industry, and students to gain basic knowledge about industrial automation applications using PLC and SCADA with the speed of changing technology today it is easy to get knowledge of the basic theory or operation of programmable logic.

HOD-EEE

THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bengaluru-560 068

Website:www.theoxford.edu Email : engprincipal@theoxford.edu

(Approved by AICTE, New Delhi, Accredited by NBA, New Delhi & Affiliated to VTU, Belgaum)

DEPARTMENT OF CIVIL ENGINEERING

Academic Year 2018-19

Course Outcome

Title: Technical Training on **"SOFTSKILLS AND TRAINING"**

Objectives:

1.To improve communication and technical skills.

2.To improve leadership quality.

3. To improve emotional maturity and emotional health.

Description: The training mainly focused on fine tuning the communication skills of students, Main topics covered were: Body language, Public speaking, Presentation skills, Interviewing skills, Numerical ability etc.,

Course Outcomes:

1.Resilience – learning to keep going when things don't go according to plan, coping with the unfamiliar, managing disappointment and dealing with conflict

2.Teamwork – learning to connect and work with others to achieve a set task

3.Leadership – assessing the requirements of a task, identifying the strengths within the team, utilising the diverse skills of the group to achieve the set objective, awareness of risk/safety

4.Communication – demonstrating clear briefing and listening skills, not being afraid to ask for help and support when necessary

5.Emotional maturity and emotional health – learning to handle emotions including tolerance and behavioural responses, building positive friendships and bonding with peers and classmates, learning to show understanding and to demonstrate respect for the opinions, personal space and beliefs of others

6.Confidence and enthusiasm for learning – developing self-motivation, raised aspirations and belief in one's own abilities, defining and committing to achieving one's goals

Head of the Department
Department of Civil Engineering
The Oxford College of Engineering
Bangalore-560 068.

HOD- CIVIL ENGINEERING

THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bengaluru-560 068

Website:www.theoxford.edu Email : engprincipal@theoxford.edu

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DEPARTMENT OF CIVIL ENGINEERING

Academic Year 2018-19

Report

Title: Technical Training on "SOFTSKILLS AND TRAINING"

Objectives: To improve communication and technical skills.

Date: 3th Oct to 11th Oct 2018 Time: 9:00 AM to 4:00 pm

Location: Department of Civil Engineering. The Oxford College of Engineering

Organized by: Seventh Sense Talent Solution, Bangalore

Audience: VIII Sem Students of Civil

Number of Students: 12

Speaker: Mr.Ankith and Mr. Naveen Gowda

Method Adopted: Theory sessions along with hands on sessions

Materials Used: Project Management Tool

Description: The training mainly focused on fine tuning the communication skills of students, Main topics covered were: Body language, Public speaking, Presentation skills, Interviewing skills, Numerical ability etc.,

Outcomes: Students were improved their communication skills and they have successfully completed the task.

Head of the Department
Department of Civil Engineering
The Oxford College of Engineering
Bangalore-560 068.

HOD- CIVIL ENGINEERING

THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bengaluru-560 068

Website:www.theoxford.edu Email : engprincipal@theoxford.edu

(Approved by AICTE, New Delhi, Accredited by NBA, New Delhi & Affiliated to VTU, Belgaum)

DEPARTMENT OF AUTOMOBILE ENGINEERING

Academic Year 2018-19

Report

Title: Technical Training on "FEA PACKAGES –Hyper mesh Software"

Objectives: HyperMesh software is the most popular and leading, multi-disciplinary finite element pre-processor which is used to manage the generation of largest and most complex models, initiating from import of a CAD geometry and ending with ready-to-run solver file.

Date: 25th FEB to 01st MAR 2019 Time: 9:00 AM to 4:00 pm

Location: The Oxford College of Engineering

Organized by: Royota Engineering & Solutions

Audience: VII Sem Students of Automobile

Number of Students : 33

Speaker: Mr.ShankarPrakash

Method Adopted: Theory sessions along with hands on sessions

Materials Used: HyperMesh Software

Description: HyperMesh software is the most popular and leading, multi-disciplinary finite element pre-processor which is used to manage the generation of largest and most complex models, initiating from import of a CAD geometry and ending with ready to run solver file.

This is a standard tool which supports users to develop better and more innovative products in a shortened time.

Outcomes:

- Student will learn about Finite Element Analysis (FEA).
- Student will know about Shell, Tetra, and HyperMeshing.
- Student will be able to create hexa and penta mesh.
- Student will be able to do assemblies: Welding and Swapping Parts.
- Student will learn about Topography and Topology
- Student will learn about Thermal, Static and Normal Mode analysis.
- Student will know to prepare models for analysis and geometry for meshing.
- Student will know to define manufacturing constraints.
- Student will know to do 2D and 3D shape optimization and 1D and 2D size optimization.

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Children's Education Society ®

DEPARTMENT OF MANAGEMENT STUDIES

THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bengaluru-560 068

Department of Management Studies

Academic Year : 2018-19

REPORT

Title: Technical Training on Soft skills and Training

Objectives:

- By the end of the soft skills training program, the students should be able to:
- Develop effective communication skills (spoken and written).
- Develop effective presentation skills.
- Conduct effective business correspondence and prepare business reports which produce results.

Date: 7/3/20219 to 11/03/2019

Location: Department of Management Studies, The Oxford College of Engineering

Organized by : Seventh Sense Talent Solution, Bangalore

Audience: IV Sem students of MBA

Speaker:

Method Adopted: Theory session along with hands on sessions

Materials used: Project Management Tools

Description:

Soft Skill training is working on personal attributes, communication abilities, personality traits, etc. which are important socially and professionally. These skills help you with a lot of things in the workplace. Soft skills play an important role in the success and growth of a person

Outcomes: Students were improved their communication skills and they have successfully completed the task

HEAD OF DEPARTMENT /MBA
HOD, Deptt. of Business Administration
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bangalore 560 068

Children's Education Society ®
THE OXFORD COLLEGE OF ENGINEERING
Hosur Road, Bommanahalli, Bangaluru - 560 068
080-30219618/01/02/04, Fax: 080-25730551,30219629,
Email: hodmcatoce@theoxford.edu, website: www.theoxford.edu
(Approved by AICTE, NBA, New Delhi & Affiliated to VTU, Belgaum)
Department of Master of Computer Applications

Technical Training Python, Data Science, Machine Learning - 8 days training

The Python, Data Science, Machine Learning - 8 days training Program was held from 18.2.19 to 26.2.19. The training was very information to the students was very information to the students. It also covered all the important topics related to Python, Data Science, Machine Learning - 8 days training program. We thought they could have included more of practical sessions on all the topics and some more time.

We appreciate the work and training given to the students, it will help them to build a better future, if they given their extra time in order to learn Machine Learning with Python Training Program.

Faculty Names and Signature

ASHOK B P

HOD-MCA

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
THE OXFORD COLLEGE OF ENGINEERING
Hosur Road, Bommanahalli, Bengaluru-560 068
080-30219601/02, Fax : 080-25730551,30219629,
Website:www.theoxford.edu Email : engprincipal@theoxford.edu
(Approved by AICTE, New Delhi, Accredited by NBA, New Delhi & Affiliated to VTU, Belgaum)

Academic Sem: Aug'19 to Nov'19

Report

Title: Technical Training on "C, C++, Java, Python with Machine Learning and Artificial Intelligence**"**

Objective: To provide training on C, C++, Java, Python with Machine Learning and Artificial Intelligence skill and prepare them to industry ready requirements.

Date: 04thNovember to 09th November 2019 **Time:** 9:00 AM to 4:00 PM

Location: The Oxford College of Engineering

Organized by: IIHT, Bangalore

Audience: 8th Sem Students of CSE (93)

Speaker: Mr. Suramya Biswas and A Jaikumar

Method Adopted: Theory sessions along with hands on sessions

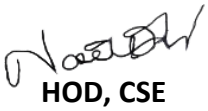
Materials Used: JDK Packages, Python Packages

Description (only 10-15 lines): The Training was planned for the C, C++, Java, Python with Machine Learning and Artificial Intelligence skill development for the students which would help them in their career, placements and their final year project work. All the sessions were well organized and it was also fully practical based session. Students were also exposed to interview questionnaires and real life projects. They have been trained with the advanced tools for solving problems, projects and interview questions.

Outcome:
Students will be able

- Develop error-free, well-documented Java programs; develop and test Java network, search engine, and web framework programs.
- Appreciate the breadth & depth of ML applications and use cases in real-world scenarios.

- Import and wrangle data using Python libraries and divide them into training and test datasets.
- Data preprocessing techniques, Univariate and Multivariate analysis, Missing values and outlier treatment etc.
- AI basics and build on skills aligned with current industry requirements, to get you ready for AI career.



HOD, CSE

IIHT
Connecting Talent to Opportunity

IIHT Oxford College - Course Content	
Course Title	CORE & ADVANCE JAVA
Days/Hours	6 Days (7 Hrs x 6 Days = 42 Hrs)
Start Date	04-11-2019 - Monday
End Date	09-11-2019 - Saturday
Target Batch	For BE- CSE/ISE & MCA students

Detailed Syllabus

Days	Topics	Sub Topics	Hours	Page Nos.
Day 1	Programming Fundamentals with C	**Structure** - C program, printf, scanf, Variables in C, Data Types in C, Keywords in C, C Operators, C-Escape Sequence.	1	
	Conditional statements and loops	**Conditional Statements** - if-else, switch. **Loops,** - Do-while loop, While loop, For loop, Break, Continue, Goto & Type Casting.	2	
	Strings, Arrays and Pointer, Functions	**Strings in C,** **Functions with Strings:** gets() & puts(), **String Functions:** strlen(), strcpy(), strcat(), strcmp(), strrev(), strupr(), strlwr(), strstr(), **Arrays:** 1-D Array, 2-D Array, Array to Function, **Pointers:** Pointer to Pointer, Pointer Arithmetic	3	
Day 2	Operators	**Operators in C:** Unary Operator, Arithmetic Operator, Shift Operator, Relational Operator, Bitwise Operator, Logical Operator, Ternary Operator and Assignment Operator.	2	
	Structures and Union	**Structures:** Array of Structures, Nested Structure, **Union**		
	File Handling With C	**File Handling:** fprintf() fscanf(), fputc() fgetc(), fputs() fgets(), fseek(), rewind(), ftell()	1	
	Memory Allocation	malloc(), calloc(), free() and realloc()	3	
	Object Oriented Program with JAVA	**OOPs Concepts** - Class & Objects, Java Program Structure. **ECLIPSE** Development Eco System		
Day 3	UI Interface	**UI:** Introduction to Web & Rapid & Single Page Applications, HTML5	2	
		HTML Tags, CSS/JS, Authentication & Authorisation	1	
		Validations **GIT** Profile **Eclipse** IDE, Project Initialisation, **SRS:** Requirement Gathering, **JSP/Servlet/ DB, SQL**	3	
Day 4	Frameworks - Spring Boot, Hibernate & Maven	**Frameworks - Spring Boot,** Maven dependency ,ProjectSB, Project Wizard, Spring Initializer, Spring Boot CLI , Spring Boot Example, SB Annotations, Spring Boot, DMSpring Boot, SpringProperties, Spring Boot Starters, Spring Boot Actuator.	2	

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	-	**Hibernate**- Overview,Hibernate and JDBC, Development Process Overview,Creating Hibernate Configuration file, Annotations,,Querying Objects with Hibernate	3	
		Maven - Overview, Environment Setup, POM Build Life Cycle, Build Profiles, Repositories, Plug-ins, Creating Project, Build & Test Project	1	
Day 5	Integration	**Integration** - Spring Boot + Hybernate + Maven	2	
		CRUD operation	2	
		Web APP: System Requirements & Specifications, App Development	2	
Day 6	Overview - Python with ML & AI	**Python:** Introduction to Python Eco System **Python with ML:** Machine Learning Systems, Unsupervised & Supervised Learning Techniques, Types of Algorithms, Programming with Python **Python with AI:** Pandas, NumPy	6	
	Total Hours		36	
Placement - 30% of placement to the trained students				

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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING
THE OXFORD COLLEGE OF ENGINEERING
Hosur Road, Bommanahalli, Bengaluru-560 068
Website:www.theoxford.edu Email : enghodise@theoxford.edu
(Approved by AICTE, New Delhi, Accredited by NBA, NAAC, New Delhi & Affiliated to VTU, Belgaum)

CLOSURE REPORT

Technical training on programming languages(C , C++, JAVA HTML, Python)and advanced concepts(ML and AI)

Organized by: Department Of ISE

Conducted by: IIHT

Duration of the course:42 hrs

Trainers Name: Mr. Nagesh, Mr. Goutham,Mr.Veera babu and Mr Jayakumar

Venue For Theory & Practical Sessions : The Oxford college of Engineering- ISE Seminar Hall(405) and Class room (409)

COURSE OVERVIEW

The Oxford college of Engineering has organized Technical Training on programming languages(C , C++, JAVA HTML, Python) and advanced concepts(ML and AI) for final year students of ISE was conducted by IIHT , from 4th Nov 2019 to 11th Nov 2019 .A total of 97 students enrolled for this program . Total duration of the course was 42 hrs..

All the theory classes & lab practices were held at ISE Seminar Hall and N409 class room, The Oxford College of Engineering from 9.00 am to 4.15 pm dated from 4th Nov 2019 to 11th Nov 2019(6 days) .

The trainers Mr. Nagesh and Mr Jayakumar conducted C , C++, JAVA and HTML programing concepts to all students. The trainer Mr.Veera babu and Mr. Goutham conducted python programming, machine learning and AI concepts to all students.

All the trainers have good knowledge in all the programming concepts. All topics were explained well with examples and the classes were interactive. The trainers discussed possible interview questions of every topic and also gave interview tips . Soft copy(PDF) and hardcopy of course contents were shared with the students

By doing this course the students got an understanding of all the programming concepts.

Certificates: Course completion certificates will be issued to all the students .

Feedback: Feedback was collected from students and HOD

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Students feedback: Students were satisfied with course content and the way the training sessions were conducted.

HOD feedback: The trainers discussed the interview questions with the students which will help the students for their placements .Overall the training was good for our final year students .

Training in charge

HOD-ISE

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Website:www.theoxford.edu Email : engprincipal@theoxford.edu
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Academic Year 2019-20

Report of Technical Training

Title: Technical Training on "AUTOMATION (PLC & SCADA), DRIVES, LV SWITCHGEAR"

Objectives: To become familiar with this Industrial automation is the use of control devices such as PC/PLCs/PACs to control industrial processes and machinery by replacing as much as possible labor intervention and dangerous assembly operations with automated ones. In industrial control a wide number of process variables such as temperature, flow, pressure, distance, and liquid levels can be sensed simultaneously

Date: 4th Nov to 9th Nov 2019

Time: 9:00 AM to 4:00 pm

Location: The Oxford College of Engineering

Organized by: PROLIFIC SYSTEMS AND TECHNOLGIES PVT LTD

Audience: VIII Sem Students of Electrical and Electronics Engineering

Number of Students: 72

Speaker: Mr. Shivashankar, Mr. Anilkumar, Mr. Abhilash

Method Adopted: Theory sessions along with hands on sessions

Materials Used: 2 PLC, 1 SCADA ,1 DRIVE

Description Programmable Logic Controller (PLC) is a digital computer interface used for the automation of various electro-mechanical processes in industries. The program is written on a computer and is downloaded to the PLC via cable. Supervisory Control and Data Acquisition (SCADA) is a control system architecture that uses computers, networked data communications and graphical user interfaces for high-level process supervisory management.

Outcomes: Students gets familiar with aims to provide good opportunity for the industry, and students to gain basic knowledge about industrial automation applications using PLC and SCADA with the speed of changing technology today it is easy to get knowledge of the basic theory or operation of programmable logic.

HOD-EEE

THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bengaluru-560 068

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DEPARTMENT OF CIVIL ENGINEERING

Academic Year 2019-20

Title: Technical Training on **"Revit Software"**

Objectives:

1.To create custom programme that fill the technical requirment gap.

2.Up to date training content offering the latest knowledge at subsidized cost.

3.Courseware specially prepare for institution training. training and certification partnering with engineering colleges.

4.To enhance employability skill development programs.

Description: The training programme covered the key parameters which focused on the understanding of Autodesk Revit Software, common mistakes made and how to avoid them, precautions to take, alternate solutions to common technical issues raised.

Course Outcomes:

1.Use their capacity of vision to create building model by using Autodesk Revit Software.

2.Creating a project that includes name and save the project file, zoom to a view, rename levels, create levels in the building.

3.Understanding various construction drawings which includes different types of walls, windows, roof, floors, stairs and modifying the roofs.

Head of the Department
Department of Civil Engineering
The Oxford College of Engineering
Bangalore-560 068.

HOD-CIVIL ENGINEERING

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Website:www.theoxford.edu Email : engprincipal@theoxford.edu

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DEPARTMENT OF CIVIL ENGINEERING

Academic Year 2019-20

Report

Title: Technical Training on "Revit Software"

Objectives: To create custom programme that fill the technical requirment gap. Up to date training content offering the latest knowledge at subsidized cost. Courseware specially prepare for institution training. training and certification partnering with engineering colleges. To enhance employability skill development programs.

Date: 4th Nov to 11th Nov 2019 Time: 9:00 AM to 4:00 pm

Location: Department of Civil Engineering. The Oxford College of Engineering

Organized by: InfiDOF

Audience: VII Sem Students of Civil Engineering

Number of Students: 10

Speaker: Umashree

Method Adopted: Theory sessions along with hands on sessions

Materials Used: Revit Software

Description: The training programme covered the key parameters which focused on the understanding of Autodesk Revit Software, common mistakes made and how to avoid them, precautions to take, alternate solutions to common technical issues raised.

Outcomes: Use their capacity of vision to create building model by using Autodesk Revit Software. Creating a project that includes name and save the project file, zoom to a view, rename levels, create levels in the building. Also understanding various construction drawings which includes different types of walls, windows, roof, floors, stairs and modifying the roofs.

Head of the Department
Department of Civil Engineering
The Oxford College of Engineering
Bangalore-560 068.

HOD-CIVIL ENGINEERING

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DEPARTMENT OF MANAGEMENT STUDIES
THE OXFORD COLLEGE OF ENGINEERING
Hosur Road, Bommanahalli, Bengaluru-560 068

Department of Management Studies
Academic Year : 2019-20

Date 24 October 2020
Academic Year 2019-2020

REPORT

Title: Technical Training on Soft skills and Training

Objectives: To Improve communication and technical skills

Date: 20/10/2020 to 23/10/2020

Location: Department of Management Studies, The Oxford College of Engineering

Organized by : FACE Institutions, Bangalore

Audience: IV Sem students of MBA

Speaker: FACE Institutions

Method Adopted: Theory session along with hands on sessions

Materials used: MS office

Description:

Soft Skill training is **working on personal attributes, communication abilities, personality traits, etc**. which are important socially and professionally. These skills help you with a lot of things in the workplace. Soft skills play an important role in the success and growth of a person

Outcomes: Students were improved their communication skills and they have successfully completed the task

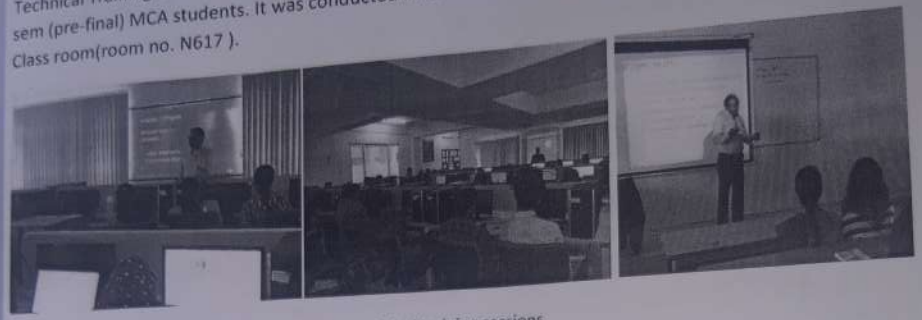
HEAD OF DEPARTMENT/MBA
HOD, Deptt. of Business Administration
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bangalore 560 068

THE OXFORD COLLEGE OF ENG

DEPARTMENT OF MCA

Technical Training Report conducted from 4th to 11th November 2019

Technical Training was conducted from 4th to 11th November 2019 (6 days) by IIHT , Bangalore for 3rd sem (pre-final) MCA students. It was conducted in 6th floor, new building MCA lab1(room no. N601) and Class room(room no. N617).



Technical training sessions

The session was taken by the follwowing trainers on mentioned topics:

S no	Date	Trainer(R-N602)	Trainer(R-N617)	Topic
1	4/11/19	Rakesh Kumar Shrivastava	Md Mukthar	Programming with C
2	5/11/19	Rakesh Kumar Shrivastava	Md Mukthar	OOPs concepts with Java
3	6/11/19	Rakesh Kumar Shrivastava	Reni	UI Interface-HTML5,CSS, Servlets,JSP
4	7/11/19	Rakesh Kumar Shrivastava	Reni	Frameworks-Spring, Hibernate,Maven
5	8/11/19	Rakesh Kumar Shrivastava	Reni	Integration, CRUD operation
6	11/11/19	Fazeel	Sharanya	Python with ML and AI

Feedback by Students: Only overview of topics were given as too many topics were covered so not able to learn indepth any subject, ultimately we are jack of all master of none.

Feedback by HOD:

1. Same trainer was teaching from morning to evening.
2. Practical exposure was less.
3. Notes must be given well in advance so that students can understand better.
4. This could have been spread across the semester weekly 2 hrs per week, it would have been more effective.
5. Trainer has taken mobile no and email-ids of the student which they may use it for their further business.

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DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING

Academic year: 2020-21 **2/06/2021**

Report

Title: Add-on certificate program on "Concept of Java"

Objectives: To improve the coding skills and to understand the concepts of Java OOPS concepts, Java is a programming language and Computing platform. Java is high level, class based object oriented. That is designed to have few implementations. the syntax of Java is similar to C and C++

Date: 22nd may 2021 - 24th may 2021

Organised by: ECE department apartment, The oxford college of Engineering
Audience: 5th semester students

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Mode : Virtual mode

Speaker: Mrs. Ashwini, Assistant Professor, CSE department, BMS Institute of technology and management , Bangalore:

Description: The speaker gave the information about

OOPS concept, Data abstraction, Encapsulation, Inheritance, Polymorphism
Basic Java constructs like loops and data types
String handling
Collection framework
Multithreading
Exceptional handling
Generics
Synchronization
Popular Java IDE tools: Eclipse, Net beans, IntelliJ IDEA, Blue J, J Developer, Dr Java, J creator

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Tool: Eclipse, Net beans

Outcomes:

Students understood the coding skills and the concepts of Java, OOPS concepts, programming and Computing by using Java . Class based object oriented programs with few implementations and the syntax of Java. They understood the differences between Java and C++ and Java applications.

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Academic Year 2020-21

Report

Title: Add-On Certificate Program on "NANO PHOTONICS"

Objectives:Nanotechnology is the branch of Technology. It deals with the study of extremely small things and can be used across all the other science fields, such as chemistry, Biology, physics, materials science, and Engineering.

Date: 22nd Februauary to 26th February 2021Time: 9:00 AM to 5:00 pm

Location: The Oxford College of Engineering

Organized by: The Oxford College of Engineering

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Speakers: **Dr. PreethaSharan**,Prof. Dept. of ECE, TOCE, Bengaluru on 22nd Feb 2021

Mr. Deepak, REVA University, Bengaluru. On 23rd Feb 2021

Ms. Archana Yadav, Asst. Prof. Dept. of ECE, Integral University, Lucknow on 24th Feb 2021

Ms.Suchandana Mishra Research Scholar,DayanandSagar University,Bangalore on 25th Feb 2021

Mr. Anup M.Upadhyaya,Asst. Prof. Mechanical Dept.TOCE, Bengaluru

Method Adopted: Theory Sessions along with Hands on Session

Materials Used: MEEP TOOL,R – Soft,FBGSimulation Software, MPB Software

Description:**Nanotechnology** operates on atoms and molecules on the nano-meter scale, and by controlling the arrays and structure of substances, it exploits the unique characteristics of nano-size particles to create new, excellent characteristics of substances. **Nanotechnology** is a multidisciplinary field of research and stretches over fields like materials **science**, mechanics,

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sometimes make it **difficult** to separate it from near by **sciences**.**Nanotechnology** is being **used** in developing countries to help treat disease and prevent health issues. The umbrella term for this kind of **nanotechnology** is Nano-medicine. **Nanotechnology** is also being applied to or developed for application to a variety of industrial and purification processes.

Outcomes: Nanotechnology has direct beneficial applications for medicine and the environment, but like all technologies it may have unintended effects that can adversely impact the environment, both within the human body and within the natural ecosystem. Materials which by themselves are not very **harmful** could be **toxic** if they are inhaled in the form of **nanoparticles**. The **effects** of inhaled **nanoparticles** in the body may include lung inflammation and heart problems.

HOD-ECE

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Academic Year 2020-21

Report

Title: Add-On Certificate Program on "Artificial Intelligence for Image Processing & Applications"

Objectives: How to Implement Artificial Intelligence for Solving Image Processing Tasks

Date: 15th March to 19th March 2021 Time: 9:00 AM to 5:00 pm
Location: The Oxford College of Engineering

Organized by: The Oxford College of Engineering

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Report on Training 2020-21

Department of Corporate Relations gives high priority to the importance of training and mentoring. Best and in-demand training is offered to the students at TOCE. Along with trainings, students are encouraged to enrol for Certification Programmes. Various placement preparation activities are carried out throughout the year. Every student of TOCE is given equal and ample opportunities for Internship and Final Placement. Campus placement is organized at college level throughout the year so that maximum number of students get placed. Training and Placement Cell also guides the students for higher studies. It is as a result of our unique training methodology, we are always been preferred from premier corporates to acquire fresh talent.

FACE is one of India's largest skill development companies, catering to students pursuing higher education in colleges/universities as well as entry-level recruits in organisations across industry sectors.

Names of the Trainers

1. Sarumathi
2. Rupesh
3. Sudhanshu
4. Jeswin Jose
5. Ragul
6. Visakhan
7. Sahu
8. Aashish
9. Roshin

Topics of Training

- Number system
- Time and work
- Percentages, Simple interest and Compound interest
- Profit and loss, Partnerships and averages
- Permutation, Combination and Probability
- Time, Speed and Distance
- Ratio and Proportion
- Logarithms, Progressions, Geometry and Quadratic equations.
- Algebraic Expressions
- Surds, Indices and Simplification
- Set Theory
- Functions

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2020-2021

SUMMARY REPORT

Sl. No.	Title	Duration	Venue	Faculty I/c
1.	Aptitude training by FACE	30 days	Online through MS teams	The Oxford College of Engineering

Summary Report:

1.Aptitude training by FACE:

A 30 days of add on course has been conducted between 20.10.2020 to 23.11.2020 successfully under the Guidance of Mr. Sarumathi, Mr. Rupesh, Mr. Sudhanshu, MR Jeswin Jose. Total number of Students enrolled for the course is 70 No's. The course is offered to Final Year students.

The course was conducted for UG Students on The program is written on a computer e. Supervisory Control and Data Aptitude is a control system architecture that uses computers, networked data communications and graphical user interfaces for high-level process supervisory management.

Coordinator

HOD

Professor & Head EEE
The Oxford College of Engg
Bommanahalli, Hosur Road
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The aims of the course are:

Intended to serve as an introduction to the number system,Time speed and Distance.

To get started as simple as possible.

To help students get started quickly and become productive in a short time.

Most useful and easily accessible features of Aptitude are included in course work to make students productive and develop confidence.

Coordinator

HOD

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The Oxford College of Engg
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ACADEMIC YEAR 2020-2021

TITLE: Aptitude training by FACE

VENUE: Online through MS teams.

FACULTY: Mr. Sarumathi, Mr. Rupesh, Mr. Sudhanshu, MR Jeswin Jose

Duration:30 days(60hours)

SYLLABUS

THEORY:

Unit – 1: To become familiar with these Aptitude problems is the use of control devices such as Number system, percentages, simple interest,and compound interest to control industrial processes and machinery by replacing as much as possible labor intervention and dangerous assembly operations with automated ones. In industrial control a wide number of process variables such as temperature, flow, pressure, distance, and liquid levels can be sensed simultaneously(6 Hours).

Unit – 2: Algebraic Expressions is a digital computer interface used for the automation of various electro-mechanical processes in industries. The program is written on a computer and is downloaded to the PLC via cable. Supervisory Control And Data Acquisition surds,Indices and simplifications is a control system architecture that uses computers, networked data communications and graphical user interfaces for high-level process supervisory management., (6 Hours)

PRACTICAL SYLLABUS

Unit – 1: To become familiar with this Aptitude problems is the use of control devices such as Number system, percentages, simple interest,and compound interest to control industrial processes and machinery by replacing as much as possible labor intervention and dangerous assembly operations with automated ones. In industrial control a wide number of process variables such as temperature, flow, pressure, distance, and liquid levels can be sensed simultaneously(3 Hours).

Unit – 2: Algebraic Expressions is a digital computer interface used for the automation of various electro-mechanical processes in industries. The program is written on a computer and is downloaded to the PLC via cable. Supervisory Control And Data Acquisition surds,Indices and simplifications is a control system architecture that uses computers, networked data communications and graphical user interfaces for high-level process supervisory management. (3 Hours)

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COURSE OUTCOMES: At the end of the course student will be able to:

- gets familiar with aims to provide good opportunity for the industry, and
- students to gain basic knowledge about industrial automation applications using PLC and SCADA With the speed of changing technology.
- today it is easy to lose sight or knowledge of the basic theory or operation of programmable logic.

Co ordinator

HOD

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Report on Training 2020-21

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Names of the Trainers

1. Sarumathi
2. Rupesh
3. Sudhanshu
4. Jeswin Jose
5. Ragul
6. Visakhan
7. Sahu
8. Aashish
9. Roshin

Topics of Training

- Number system
- Time and work
- Percentages, Simple interest and Compound interest
- Profit and loss, Partnerships and averages
- Permutation, Combination and Probability
- Time, Speed and Distance
- Ratio and Proportion
- Logarithms, Progressions, Geometry and Quadratic equations.
- Algebraic Expressions
- Surds, Indices and Simplification
- Set Theory
- Functions

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- Cryptarithmetic
- Trigonometry
- Reading comprehension
- Sentence correction
- Sentence completion and Para-jumbles
- Vocabulary
- Articles, Prepositions and Interrogatives
- Attention to detail
- Voices and Speech
- Critical reasoning
- Group Discussion - Orientation
- Personal Interview - Orientation
- Resume Building - Orientation
- Body Language and Professionalism
- Interpersonal Skill

Participants (All the pre final year Students 2021 passing out students)

The training was conducted by Face in four batches and the batches were combining 3 departments in a batch

Batch 1

Master of Computer Application
Information Science and Engineering
Electronic and Electrical Engineering

Batch 2

Master of Business Administration
Mechanical Engineering
B.Architecture

Batch 3

Mechatronics Engineering
Civil Engineering
Automobile Engineering

Batch 4

Computer Science and engineering
Biotechnology Engineering
Electronics and communication Engineering

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Schedule of Training

The Training was planned from mid of sept-2020 and the classes started from 20th October 2020 to 23rd November 2020. 2 hours per day per batch.

No of hours scheduled

Topic code	Topic	Duration
T1	Number system	2
T2	Time and work	2
T3	Percentages, Simple interest and Compound interest	2
T4	Profit and loss, Partnerships and averages	2
T5	Permutation, Combination and Probability	2
T6	Time, Speed and Distance	2
T7	Ratio and Proportion	2
T8	Logarithms, Progressions, Geometry and Quadratic equations.	2
T9	Algebraic Expressions	1
T10	Surds, Indices and Simplification	2
T11	Set Theory	2
T12	Functions	1
T13	Cryptarithmetic	1
T14	Trigonometry	1
T15	Reading comprehension	2
T16	Sentence correction	2
T17	Sentence completion and Para-jumbles	2
T18	Vocabulary	2
T19	Articles, Prepositions and Interrogatives	2
T20	Attention to detail	2
T21	Voices and Speech	2
T22	Critical reasoning	2
T23	Group Discussion - Orientation	2
T24	Personal Interview - Orientation	2
T25	Resume Building - Orientation	2
T26	Body Language and Professionalism	2
T27	Interpersonal Skill	2

Time Table picture

Days/Time	9 am - 11 am	11.15 am - 1.15 pm
Monday	B1 B2	B3 B4

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Tuesday	B1 B2	B3 B4
Wednesday	B1 B2	B3 B4
Thursday	B1 B2	B3 B4
Friday	B1 B2	B3 B4
Saturday	B1 B2	B3 B4

Date and Time of Training

Date	*Batch*	*Topic Scheduled*	*Duration(hrs)*
20-Oct-20	B1	Time & Work	2
	B2	Numbers	2
	B3	Time & Work	2
	B4	Numbers	2
21-Oct-20	B1	Numbers	2
	B2	Time & Work	2
	B3	Numbers	2
	B4	Time & Work	2
22-Oct-20	B1	Percentages & Interests	2
	B2	Algebraic Expressions & functions	2
	B3	Percentages & Interests	2
	B4	Algebraic Expressions & functions	2
23-Oct-20	B1	Algebraic Expressions & functions	2

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	B2	Percentages & Interests	2
	B3	Algebraic Expressions & functions	2
	B4	Percentages & Interests	2
27-Oct-20	B1	Profit&Loss	2
	B2	Permutation,Combination & Probability	2
	B3	Profit&Loss	2
	B4	Permutation,Combination & Probability	2
28-Oct-20	B1	Permutation,Combination & Probability	2
	B2	Profit&Loss	2
	B3	Permutation,Combination & Probability	2
	B4	Profit&Loss	2
29-Oct-20	B1	Time,Speed & Distance	2
	B2	Ratio & Proportion	2
	B3	Time,Speed & Distance	2
	B4	Ratio & Proportion	2
30-Oct-20	B1	Ratio & Proportion	2
	B2	Time,Speed & Distance	2
	B3	Ratio & Proportion	2
	B4	Time,Speed & Distance	2
31-Oct-20	B1	Logarithms	2
	B2	Surds & Indices	2

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	B3	Logarithms	2
	B4	Surds & Indices	2
02-Nov-20	B1	Surds & Indices	2
	B2	Logarithms	2
	B3	Surds & Indices	2
	B4	Logarithms	2
03-Nov-20	B1	Set Theory	2
	B2	Cryparithmetic & Trignometry	2
	B3	Set Theory	2
	B4	Cryparithmetic & Trignometry	2
04-Nov-20	B1	Cryparithmetic & Trignometry	2
	B2	Set Theory	2
	B3	Cryparithmetic & Trignometry	2
	B4	Set Theory	2
05-Nov-20	B1	Reading Comprehension	2
	B2	Sentence correction	2
	B3	Reading Comprehension	2
	B4	Sentence correction	2
06-Nov-20	B1	Sentence correction	2
	B2	Reading Comprehension	2
	B3	Sentence correction	2

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	B4	Critical Reasoning	2
17-Nov-20	B1	Critical Reasoning	2
	B2	Voices & Speech	2
	B3	Critical Reasoning	2
	B4	Voices & Speech	2
18-Nov-20	B1	Group Discussion	2
	B2	Personal Interview	2
	B3	Group Discussion	2
	B4	Personal Interview	2
19-Nov-20	B1	Personal Interview	2
	B2	Group Discussion	2
	B3	Personal Interview	2
	B4	Group Discussion	2
20-Nov-20	B1	Resume Writing	2
	B2	Body Language	2
	B3	Resume Writing	2
	B4	Body Language	2
21-Nov-20	B1	Body Language	2
	B2	Resume Writing	2
	B3	Body Language	2

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	B4	Resume Writing	2
23-Nov-20	B1	Interpersonal Skills	2
	B2	Interpersonal Skills	2
	B3	Interpersonal Skills	2
	B4	Interpersonal Skills	2

Total Number of hours Completed **200**

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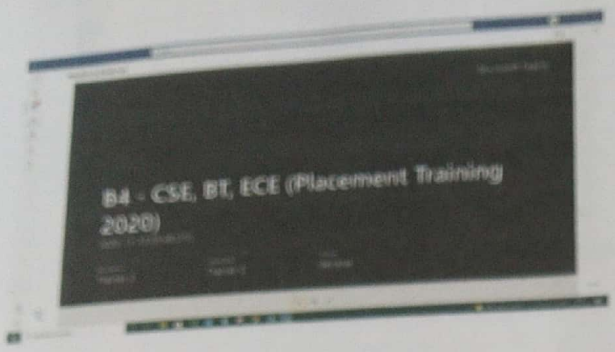
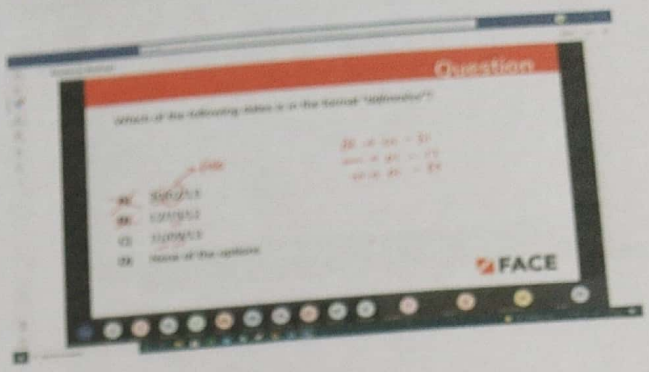
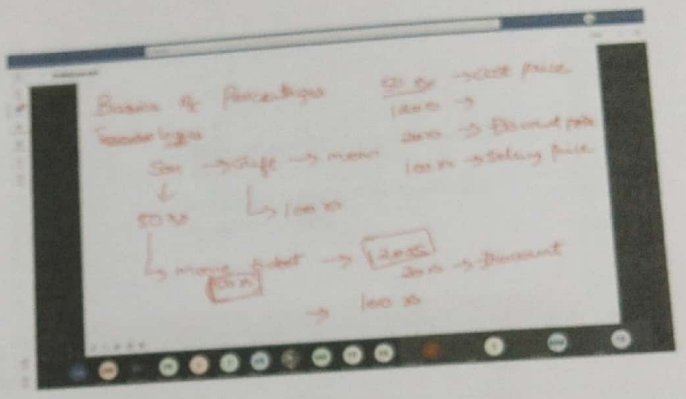
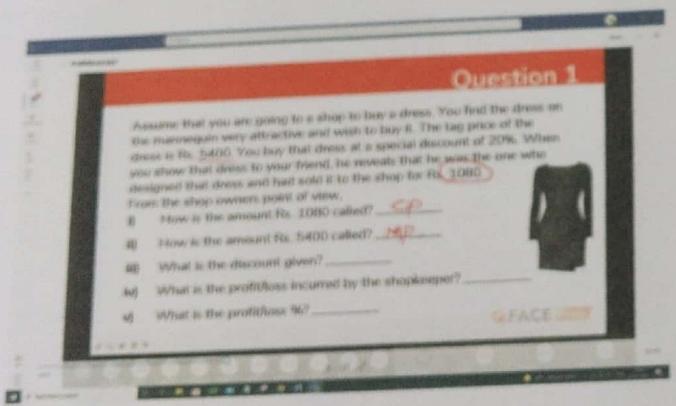
Attention to detail



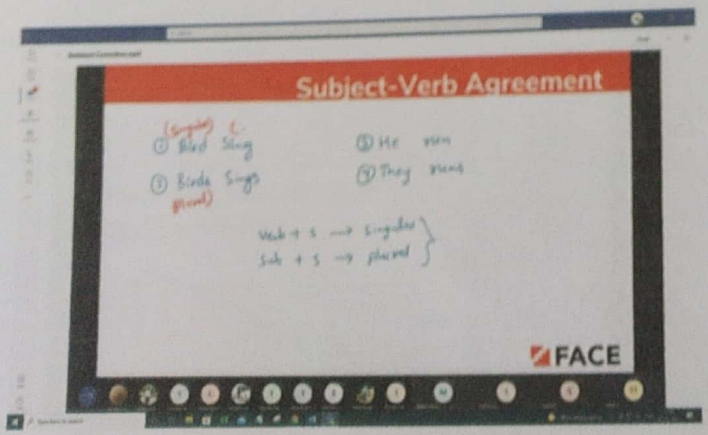


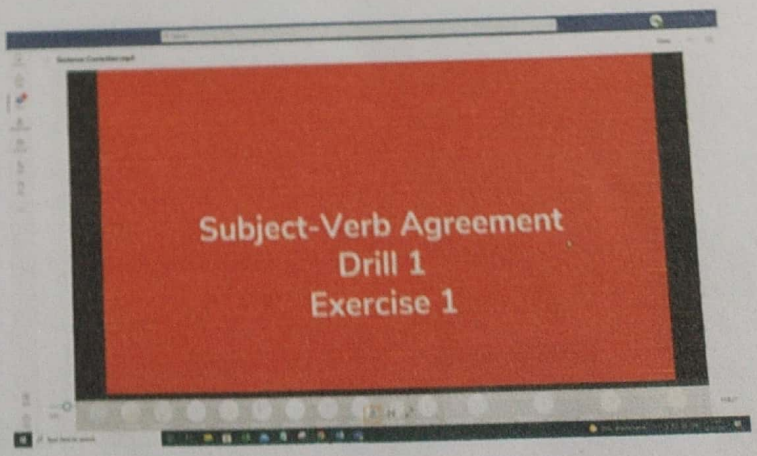
Profit and loss





Sentence Correction





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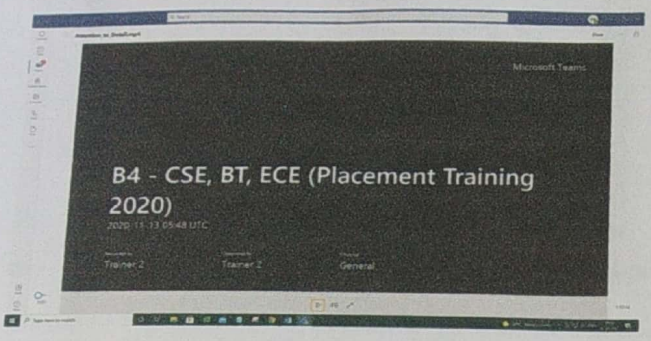
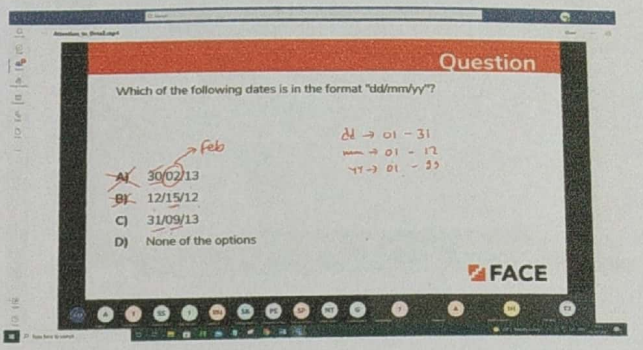
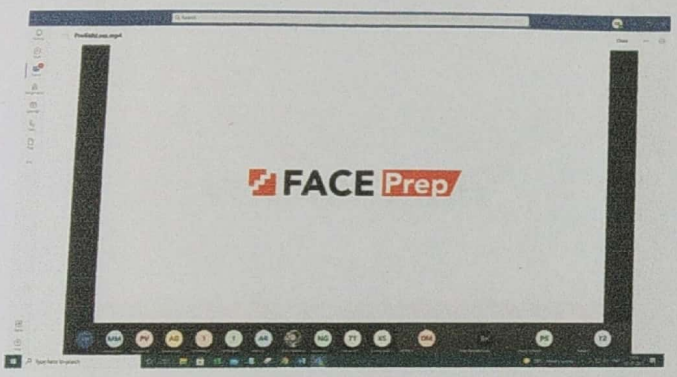
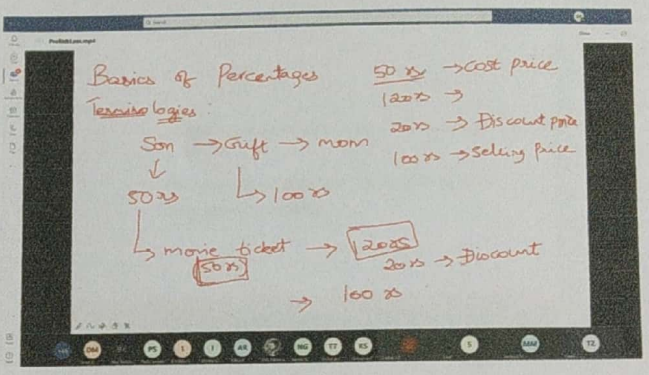
Attention to detail

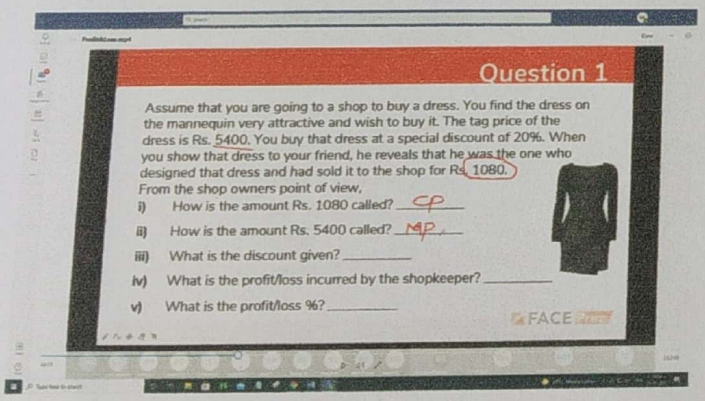




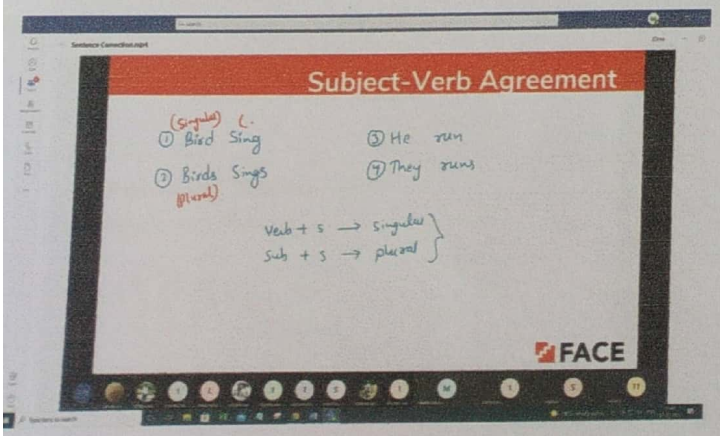
Profit and loss

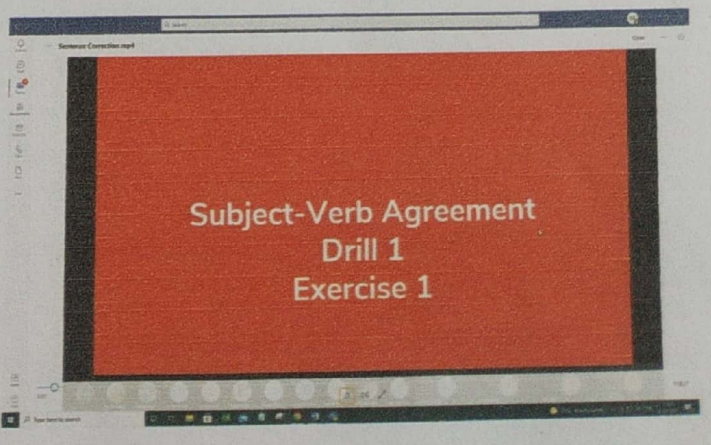






Sentence Correction





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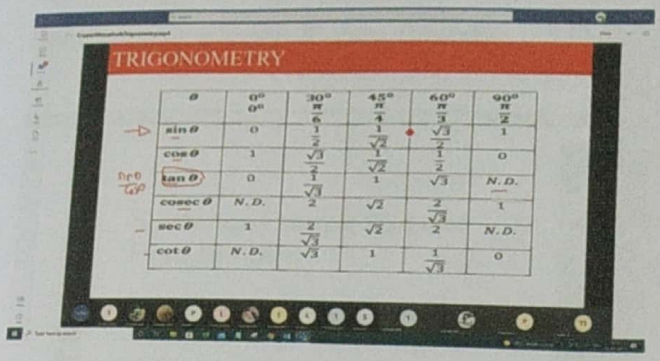
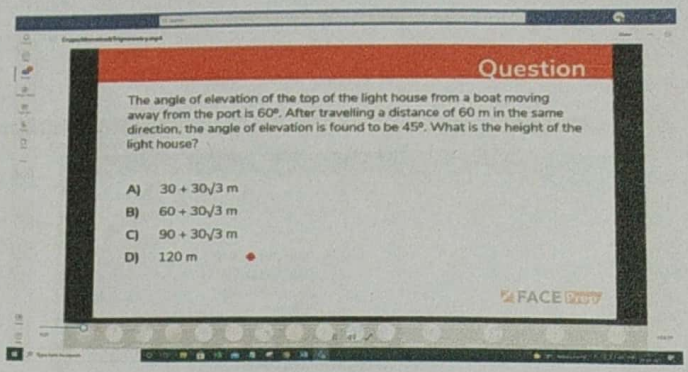
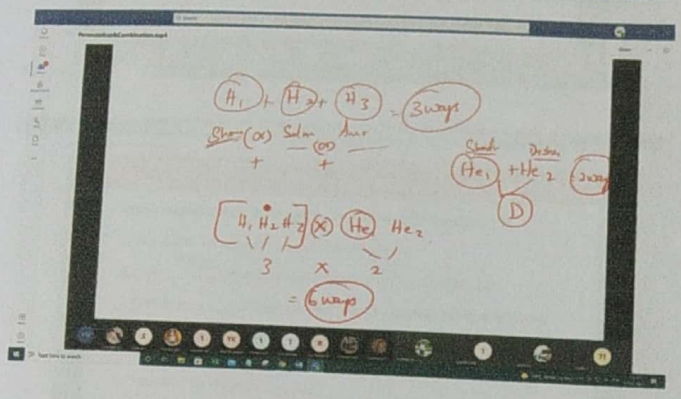
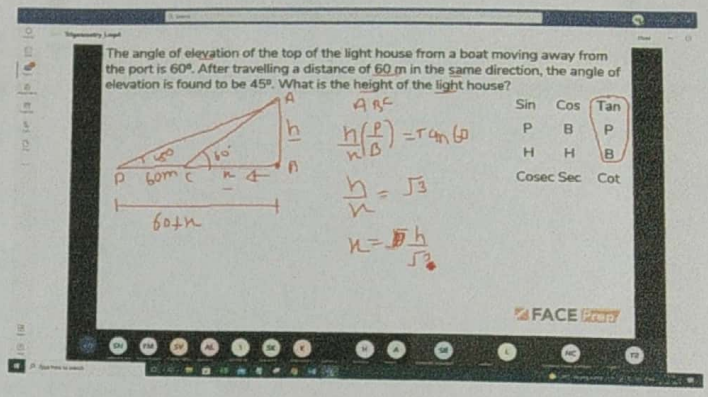
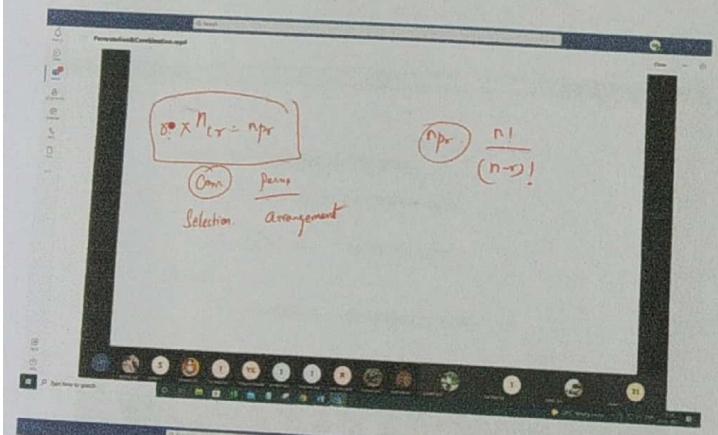


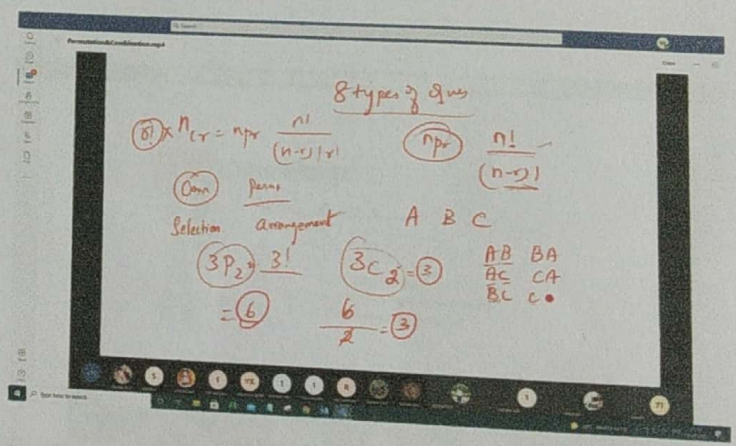


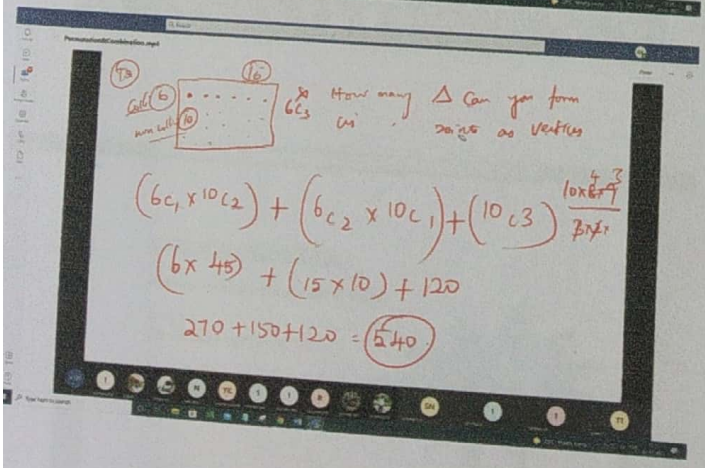




Permutation, Combination & Probability







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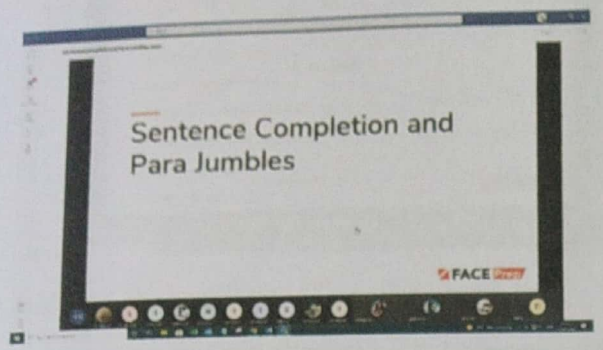
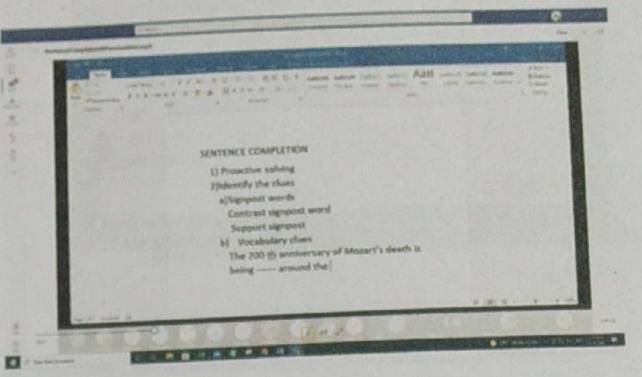
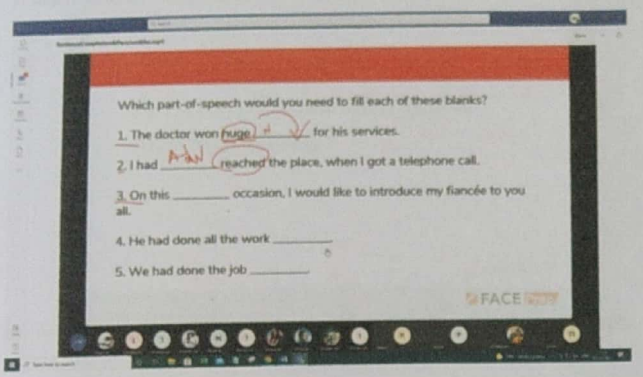
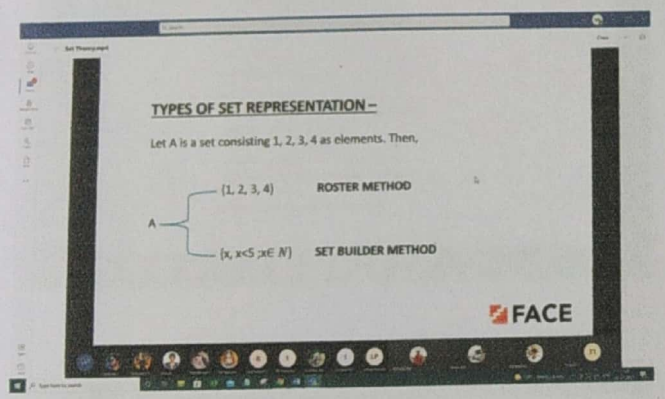
Sentence completion & Para Jumbles

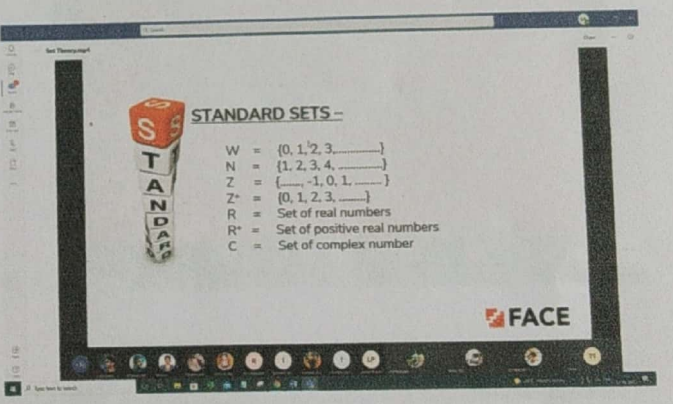


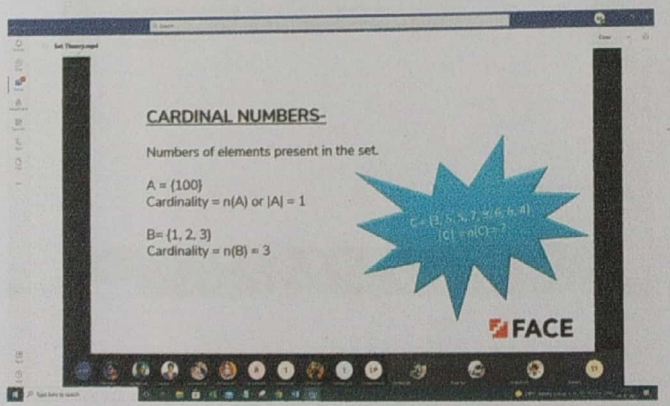


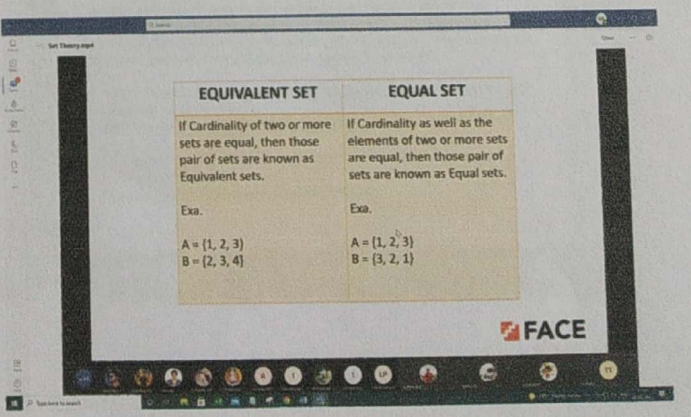


Set Theory









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Children's Education Society ®

DEPARTMENT OF MANAGEMENT STUDIES

THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bengaluru-560 068

Department of Management Studies

Academic Year : 2020-21

REPORT

Title: Technical Training on Soft skills and Training

Objectives: To Improve communication and technical skills

Date: 05/03/2021 to 09/03/2021

Location: Department of Management Studies, The Oxford College of Engineering

Organized by : FACE Institutions, Bangalore

Audience: IV Sem students of MBA

Speaker: FACE Institutions

Method Adopted: Theory session along with hands on sessions

Materials used: Project Management Tools

Description: Soft Skill training is working on personal attributes, communication abilities, personality traits, etc. which are important socially and professionally. These skills help you with a lot of things in the workplace. Soft skills play an important role in the success and growth of a person

Outcomes: Students were improved their communication skills and they have successfully completed the task

PRINCIPAL

PRINCIPAL
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bengaluru-560 068

HEAD OF DEPARTMENT/MBA
HOD, Deptt. of Business Administration
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bangalore 560 068

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