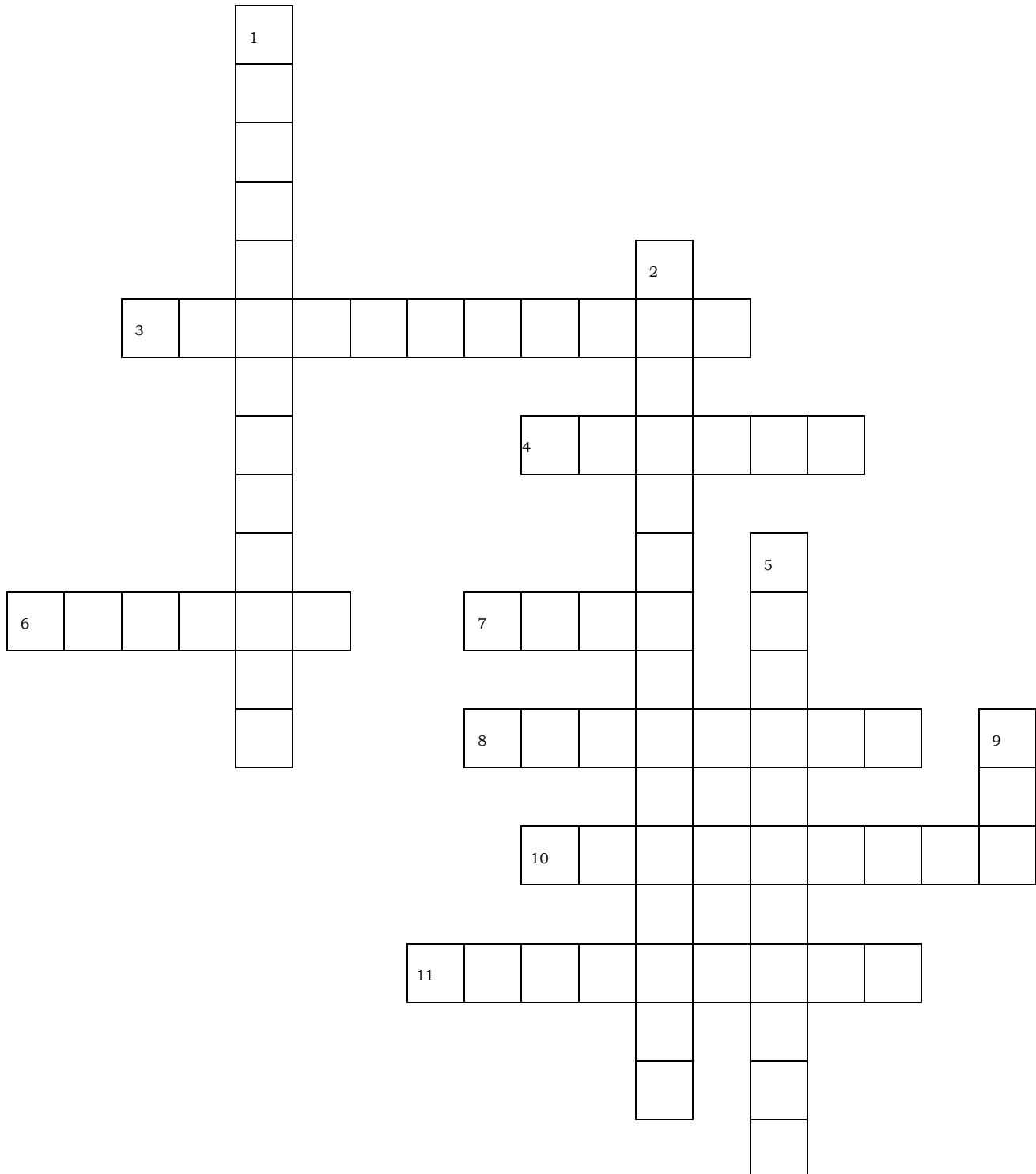


CROSSWORDS



Across

3. An error in the rules that govern the structure of language statements.
4. A program that runs in the context of a browser.
6. The rules that govern the structure of language statements; in particular, the rules for forming statements in a source language correctly.
7. A set of bits normally considered as a unit, it normally consists of eight bits and corresponds to a single character of information.
8. A program that translates a program into machine code that can be converted into an executable program (an object program).
10. Used to describe a complete data processing system, with the flow of data through clerical operations involved, down to the level of individual programs, but excluding such programs.
11. An ordered set of well-defined instructions for the solution of a problem in a finite number of steps.

Down

1. Hardware, software, or both, that allow a user to interact with and perform operations on a system, program, or other device.
2. A sequence of instructions suitable for processing by a computer.
5. A program that runs when translated by a Java computer.
9. Binary digit. The smallest unit of information for data storage and transmission. Each bit is considered to be either a "0" or a "1".

Peer Group Learning

Name of the subject: Thermal Engineering

Objective: To improve the performance of slow and average learner students, the peer groups are formed with each group consisting of 8 students in which two are advanced, two are average and four are slow learners.



Peer group learning

Outcomes: *Slow learner students got cleared their doubts and they felt easy to understand the concept and they shown more interest to study when they are formed*

MULTIPLE CHOICE QUESTIONS

Name of the subject: GRID AND CLOUD COMPUTING

Objective: To enhance the knowledge of the subject through multiple choice Questions.

1. _____ describes a cloud service that can only be accessed by a limited amount of people.
 - a) Data center
 - b) Private cloud
 - c) Virtualization
 - d) Public cloud

2. _____ describes a distribution model in which applications are hosted by a service provider and made available to users.
 - a) Infrastructure-as-a-Service (IaaS)
 - b) Platform-as-a-Service (PaaS)
 - c) Software-as-a-Service (SaaS)
 - d) Cloud service

3. _____ is the feature of cloud computing that allows the service to change in size or volume in order to meet a user's needs.
 - a) Scalability
 - b) Virtualization
 - c) Security
 - d) Cost-savings

4. Which of the following services that need to be negotiated in Service Level Agreements ?
 - a) Logging
 - b) Auditing
 - c) Regulatory compliance
 - d) All of the mentioned

5. Which of the following service offers unlimited storage space ?

- a) Adrive
- b) 4shared
- c) Badongo
- d) All of the mentioned

6. Point out the correct statement:

- a) In a managed cloud storage system, the user provisions storage on demand
- b) Unmanaged Storage is meant to support virtual cloud computing
- c) In managed storage, the storage service provider makes storage capacity available to users
- d) All of the mentioned

7. Which of the following service has WebDAV as developer API ?

- a) Adrive
- b) Drop.io
- c) Dropbox
- d) All of the mentioned

8. Which of the following developer API is provided by FilesAnywhereservice ?

- a) FA
- b) CA
- c) BA
- d) All of the mentioned

9. Point out the wrong statement:

- a) The most basic service that online storage can serve is to provide disk space on demand
- b) The user may be able to purchase additional space for paid service
- c) S3 is example of unmanaged cloud storage
- d) None of the mentioned

10. Which of the following service is provided by Google for online storage ?

- a) Drive
- b) SkyDrive
- c) Dropbox
- d) All of the mentioned

11. Which of the following association has coined the term Data Storage as a Service to describe the delivery of storage on demand to clients over a distributed system ?

- a) SNIA
- b) COA
- c) OCCI
- d) None of the mentioned

12. Which of the following are Managed cloud storage providers ?

- a) EMC Atmos
- b) Amazon.com Simple Storage Service
- c) IBM Smart Business Storage Cloud
- d) All of the mentioned

13. Which of the following is mainly focused on backup and digital archiving, not on storage hosting ?

- a) Nirvanix
- b) Iron Mountain
- c) Google Storage for Developers
- d) All of the mentioned

14. Which of the following offer direct competition to Amazon's S3 service ?

- a) Nirvanix
- b) Rackspace Cloud
- c) Badongo
- d) All of the mentioned

15. Which of the following service provider provides the least amount of built in security ?

- a) SaaS
- b) PaaS
- c) IaaS
- d) All of the mentioned

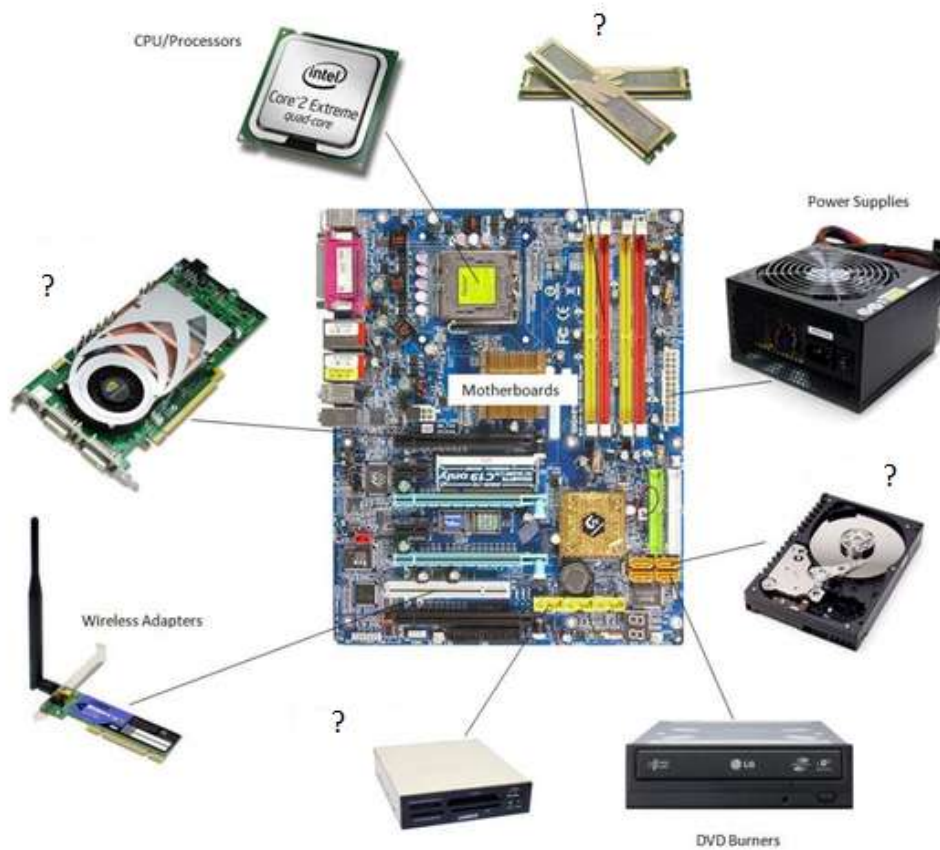
16. Which of the following area of cloud computing is uniquely troublesome ?

- a) Auditing
- b) Data integrity
- c) e-Discovery for legal compliance
- d) All of the mentioned

17. Which of the following is used for Web performance management and load testing ?

- a) VMware Hyperic
- b) Webmetrics
- c) Univa UD
- d) Tapinsystems

IDENTIFY THE PARTS



OUTCOME :

To Understand the parts of the Motherboard

QUIZ

Objective: Quiz is conducted not only to test the person knowledge but also to test the speed of a person's brain and how active it a person can think in a given particular situation.

Theme: "CLOUD COMPUTING"



QUESTIONS PROJECTED TO THE STUDENTS

Outcome:

- ✓ Retrieval aids later retention. There is clear evidence from psychological experiments that practicing retrieval of something after learning it, for instance by taking a quiz or test, makes you more likely to retain it for the longterm
- ✓ Identifies gaps in knowledge.
- ✓ Causes students to learn more from the next study episode. Essentially it reduces forgetting which makes the next related study area more productive.
- ✓ Produces better organization of knowledge by helping the brain organize material in clusters to allow better retrieval.
- ✓ Improves transfer of knowledge to new contexts. There are several experiments referenced in the paper where tests and quizzes help transfer and application of knowledge.

PAPER PRESENTATION

Objective: A presentation is a means of communication which can be adapted to various speaking situations, such as talking to a group, addressing a meeting or briefing a team. To be effective, step-by-step preparation and the method and means of presenting the information should be carefully considered. This program will not only exhibit student's technical skill along with managerial ability which is need for the growth of one's own professional and personal ability.



**STUDENTS PRESENTING ON RECENT ADVANCEMENTS ON
CLOUD COMPUTING AND DATA ANALYTICS**



FACULTIES ACCESSING STUDENTS PERFORMACE

Outcomes:-

- ✓ Plan their presentation by gathering relevant information, determining audience needs, and defining presentation purpose
- ✓ Organize the presentation using the concepts of ordering and determining the central, main and supporting ideas; Develop the introduction and conclusion of the presentation
- ✓ Identify the benefits and uses of visual aids
- ✓ Apply the various media choices for displaying data and enhancing the presentation
- ✓ Use effective verbal and non-verbal techniques when making a presentation
- ✓ Reduce their stress when making a presentation
- ✓ Effectively field questions and elicit feedback from the audience
- ✓ Gain feedback from peers and the trainer that will identify strengths and areas for improvement.

Pre Reading Materials

Model Name of the subject: Mobile Computing.

Topic: Application Development

Objective: To enhance the interest towards the subject.



Description:

Android is an open source and Linux-based **Operating System** for mobile devices such as smartphones and tablet computers. Android was developed by the *Open Handset Alliance*, led by Google, and other companies.

Android offers a unified approach to application development for mobile devices which means developers need only develop for Android, and their applications should be able to run on different devices powered by Android.

The first beta version of the Android Software Development Kit (SDK) was released by Google in 2007 where as the first commercial version, Android 1.0, was released in September 2008.

On June 27, 2012, at the Google I/O conference, Google announced the next Android version, 4.1 **Jelly Bean**. Jelly Bean is an incremental update, with the primary aim of improving the user interface, both in terms of functionality and performance.

The source code for Android is available under free and open source software licenses. Google publishes most of the code under the Apache License version 2.0 and the rest, Linux kernel changes, under the GNU General Public License version 2.

ANDROID APPLICATION:

Android applications are usually developed in the Java language using the Android Software Development Kit.

Once developed, Android applications can be packaged easily and sold out either through a store such as **Google Play, SlideME, Opera Mobile Store, Mobango, F-droid** and the **Amazon Appstore**.

Android powers hundreds of millions of mobile devices in more than 190 countries around the world. It's the largest installed base of any mobile platform and growing fast. Every day more than 1 million new Android devices are activated worldwide.

This tutorial has been written with an aim to teach you how to develop and package Android application. We will start from environment setup for Android application programming and then drill down to look into various aspects of Android applications.

The code names of android ranges from A to N currently, such as Aestro, Blender, Cupcake, Donut, Eclair, Froyo, Gingerbread, Honeycomb, Ice Cream Sandwich, Jelly Bean, KitKat, Lollipop and Marshmallow, Oreo, Pie. Let's understand the android history in a sequence.

You will be glad to know that you can start your Android application development on either of the following operating systems –

- Microsoft Windows XP or later version.
- Mac OS X 10.5.8 or later version with Intel chip.
- Linux including GNU C Library 2.7 or later.

Second point is that all the required tools to develop Android applications are freely available and can be downloaded from the Web. Following is the list of software's you will need before you start your Android application programming.

- Java JDK5 or later version
- Android Studio

Here last two components are optional and if you are working on Windows machine then these components make your life easy while doing Java based application development. So let us have a look how to proceed to set required environment.

Outcomes: *Students learnt the theoretical and experimental methods of developing mobile applications.*

Concept of the Day

Objective: It is a technical forum for the students and faculty members to upgrade their technical skills.



Outcomes: *Students and faculties learnt more new trending concepts in and around in the area of Engineering.*

E-Learning

Objective: Online courses available for faculties and students to upgrade their knowledge in the latest technology with real time applications.



SOLOLEARN CERTIFICATE FOR PYTHON



SOLOLEARN CERTIFICATE FOR PHP

WORKSHOP

Objective: The goal of the workshop is to equip the participants with relevant knowledge and skills for conducting and applying Monitoring and Evaluation and ultimately improve the performance of their Development Projects, Program and Organizations.



WORKSHOP ON RESEARCH AND DEVELOPMENT



WORKSHOP ON NETWORKING

STUDENT EXCHANGE PROGRAM

Objective: Exchange of students between national and international level 100+ students every semester. In this initiative student gets benefited in terms of technology, knowledge and cultural exchange within India and abroad.



Students of CIT in Japan



Students of CIT in C M R
College of Engineering and Technology



COMPETITION

Objective: Competitions are conducted to improve the knowledge and hands on experience of recent design and manufacturing techniques among the students in an enthusiastic way.



SMART INDIA
HACKATHON '17



WORLD BIGGEST
HACKATHON!

WINNERS



SECOND PRIZE WINNERS

MOBILE APP GARAGE COMPETITION



CODE GLADIATORS 2K18



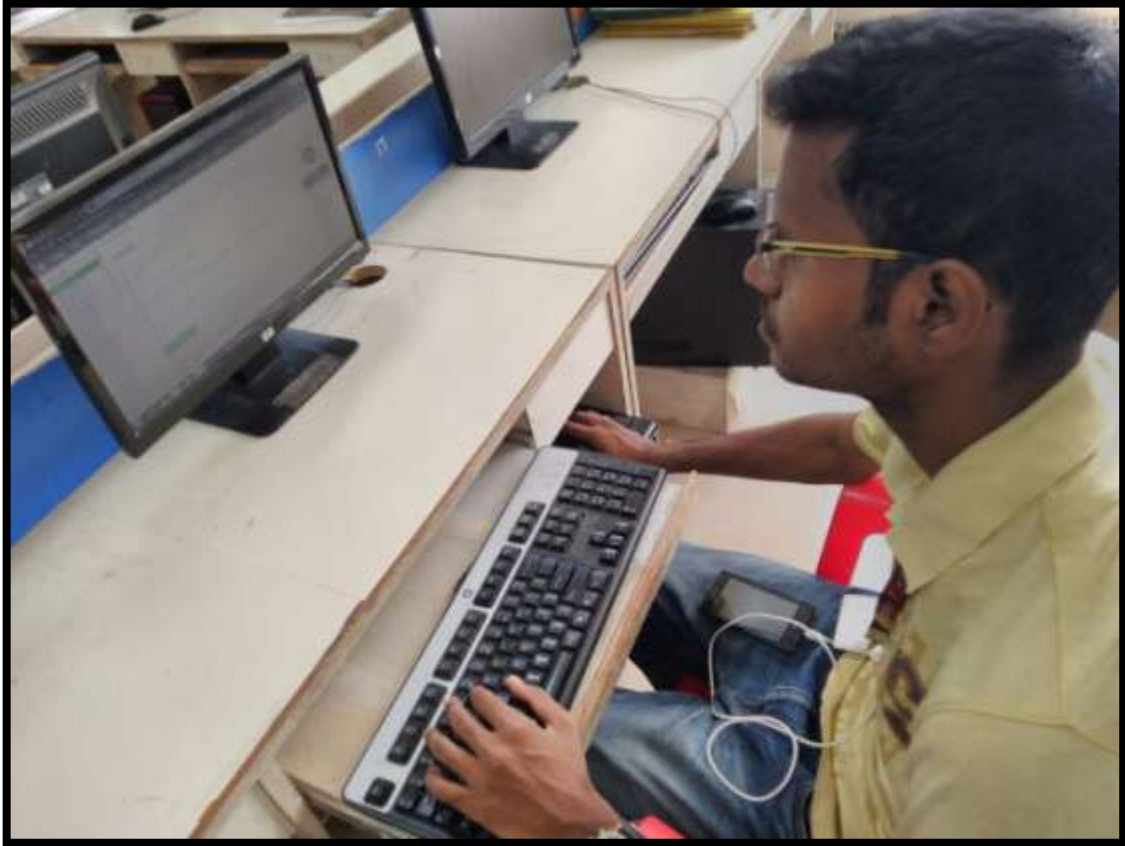
CODE VITA COMPETITION

SELF LEARNING

Objective: Toppers given freedom to study the subject of their interest on their own and their timing and efficiency is effectively utilized at Innovative Learning Centre to learn the technology updates by working with industrial projects, to participate in various national and international competitions, incubation cell, and attending internships. Other students given the opportunity to make the presentations of various applications of the subject or content beyond the syllabus , develop the model / charts / projects related to their subject of interest.



STUDENT MAKING GROUP PROJECTS IN INNOVATIVE LEARNING PROGRAM



STUDENT MAKING PROJECTS IN INNOVATIVE LEARNING PROGRAM

DESIGN

Objective: To improvise students in the emerging areas of design by imparting recent technologies and advanced software's that are adapted in industries and research purpose with the help of advanced training facilities and expertise faculties to meet the global needs of society and industries.



STUDENTS GETTING TRAINED IN JAVA,HTML, PYTHON.

PEGA

Objective: As the world moving towards automation that can't be achieved without Pega, the next generation of industries is Pega infinity in this advanced era classroom teaching is not enough to fulfill the industry expectations. To overcome this scenario we have erected the Pega UAP facility where students molded as industry ready.



STUDENTS GETTING TRAINED IN PEGA



CLOUD COMPUTING

Objective:As the world moving towards digitization that can't be achieved without cloud computing, the next generation of industries is CLOUD in this advanced era classroom teaching is not enough to fulfill the industry expectations. To overcome this scenario we have erected the CLOUD COMPUTING facility where students molded as industry ready. With these advanced developing techniques students can achieve greater results in developingera.



STUDENTS GETTING HANDS ON TRAINING IN CLOUD COMPUTING TECHNOLOGY