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Android 6.0 Marshmallow for Android

Finer permission control: In previous editions of Android, before you download and install an app, you have to deal with a slab of permissions. Marshmallow will let you grant -- or not grant -- specific permissions for a Marshmallow app when it seeks to use a feature.

when you launch Google's Keep, the app can ask you for permission to record audio. You also can modify individual settings after you've installed an app and view by function which permissions you've granted.

Broader fingerprint recognition: Third-party apps can now take advantage of fingerprint recognition, allowing you to use a fingerprint to authenticate actions. And with better support for Google's mobile payment platform.

App data backup: Marshmallow will back up and store app settings and other data in your Google Drive account. In earlier versions, Android backed up only settings associated with your account. And you will have control over what gets backed up.

Better power management: A new power management tool, called Doze, uses motion detection to monitor device usage of an unplugged phone or tablet. Watching for periods of physical inactivity, Doze throttles back system services and apps, waking up a device when it's needed. Marshmallow devices will also support the USB Type C standard, which offers an improved method of charging, Google says, and will allow devices to change three to five times faster.

Voice interaction: Android 6.0 provides better voice interactions with the system and apps. By saying "OK Google," you can start a conversation with an app and have greater control over its functions.
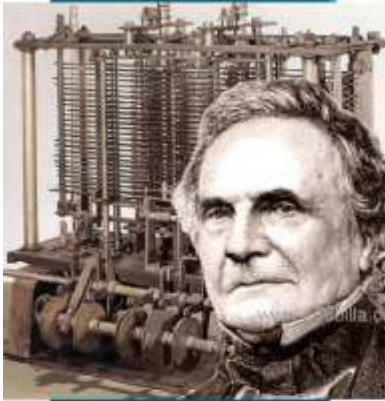
S.Ayyanar.
III B.Voc. (SD)

From the Editor-in-Chief's Desk

The purpose of **ALU AISD SofTact,** a quarterly Magazine, is to inform, engage and inspire the diverse readership, including Academia, Students, Industry personnel and other stakeholders by publishing B.Voc. Software Development students' creative content and glimpses of Departmental activities. It is intended to bring out the hidden literary talents of our students and also to inculcate authoring skills to them. We wish to propagate the calibre of our B.Voc. Software Development students through this medium. We firmly believe that, our students have come out with astonishing contributions for this magazine with very high standard and quality content. I am sure that the this SofTact magazine will provide a platform to the students to sharpen their talents and will strengthen the academic activities of the Department.

Editor-in-Chief
Dr. B.Dharmalingam
Professor & Director
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Interesting Facts about Computers

COMPUTER

Common

Operating

Machine

Particularly

Used for

Technical,

Education and

Research

The first electronic computer ENIAC weighed more than 27 tons and took up 1800 square feet.

- Only about 10% of the world's currency is physical money, the rest only exists on computers.

- TYPEWRITER is the longest word that you can write using the letters only on one row of the keyboard of your computer.

- Doug Engelbart invented the first computer mouse in around 1964 which was made of wood.

- There are more than 5000 new computer viruses are released every month.

- Around 50% of all Wikipedia vandalism is caught by a single computer program with more than 90% accuracy.

- If there was a computer as powerful as the human brain, it would be able to do 38 thousand trillion operations per second and hold more than 3580 terabytes of memory.

- The password for the computer controls of nuclear tipped missiles of the U.S was 00000000 for eight years.

- Approximately 70% of virus writers are said to work under contract for organized crime syndicates.

- HP, Microsoft and Apple have one very interesting thing in common – they were all started in a garage

- The house where Bill Gates lives, was designed using a Macintosh computer.

- The first ever hard disk drive was made in 1979, and could hold only 5MB of data.

- The first 1GB hard disk drive was announced in 1980 which weighed about 550 pounds, and had a price tag of $40,000.

- More than 80% of the emails sent daily are spams.

- A group of 12 engineers designed IBM PC and they were called as "The Dirty Dozen".

- The original name of windows was Interface Manager.

- The first microprocessor created by Intel was the 4004. It was designed for a calculator, and in that time nobody imagined where it would lead.

- IBM 5120 from 1980 was the heaviest desktop computer ever made. It weighed about 105 pounds, not including the 130 pounds external floppy drive.

- Genesis Device demonstration video in Star Trek II: The Wrath of Khan was the first entirely computer generated movie sequence in the history of cinema. That studio later become Pixar.

K.Sowmiya
I-B.Voc. (SD)

GUESS THE RIDDLE

Name a five letter word which has three consonants all the same and two different vowels. Every now and then you see this while running a Windows 95/98 on your PC.

Check your answer at page no.5

Why Software Development Still Holds A Bright FUTURE For A Career?

Software has become the base for everything you use in your daily life. As long as there's a computer or a chip in your device, there's software that guides it. It may be your smart television, mobile phone, or any other electronic device that uses the smart technology, the basic instructions to follow is inscribed inside the chip which makes the device smart. What I intend to highlight is the fact that "Software is here to stay in different forms as long the Information Technology Stays". Everything about IT is driven by some sort of software and hence it has a bright future for a long time to come.

• Even if you consider the Mobile Apps, it is a variation of software only. If you want to set you foot firm in the IT industry, which is by far one of the most lucrative and creative industries in the world, you will have to learn a lot about the hardware and software. Software is a more interesting and a Well-paid job because it involves a lot of creative thinking. Creative in the sense there's always a problem for which you are creating a solution in the form of software or an App. For those who are the problem solvers, software development holds a bright future.

Software Development

• There are more aspects to software development which requires formal train-

> " A
>
> # DREAM
>
> doesn't Become reality through magic;
>
> It takes Sweat, Determination, and Hard work.
>
> "

ing which is provided by many top notch universities in -campus and online. One great advantage of software is that there are diversified fields within software development that you can choose to specialize on. You can choose to become a Database Administrator, Database Developer, Programmer, Network Engineer, Tester, Quality Analyst, Digital Marketer and so and so forth. Software development life cycle is one such aspect which suits a creative developer who aspires to become a project manager in the near future.

• Learning about Software development life Cycle formally involves learning about identifying the problems and finding out of the probable solution, data collection and analysis, presenting the analyzed data in a more understandable way, creating the solution using efficient project management methods and tools and interacting with the customer for better Communication of the solutions.

Bright Future for a Career

• What if the software developer already knows the probable issues and works proactively form the very first stage of the project? Only someone who has learned the software Development life cycle will be in a position to deal with up with such a situation and online educational portals like Huss on presents you just the perfect online course for learning software Development life cycle in depth.
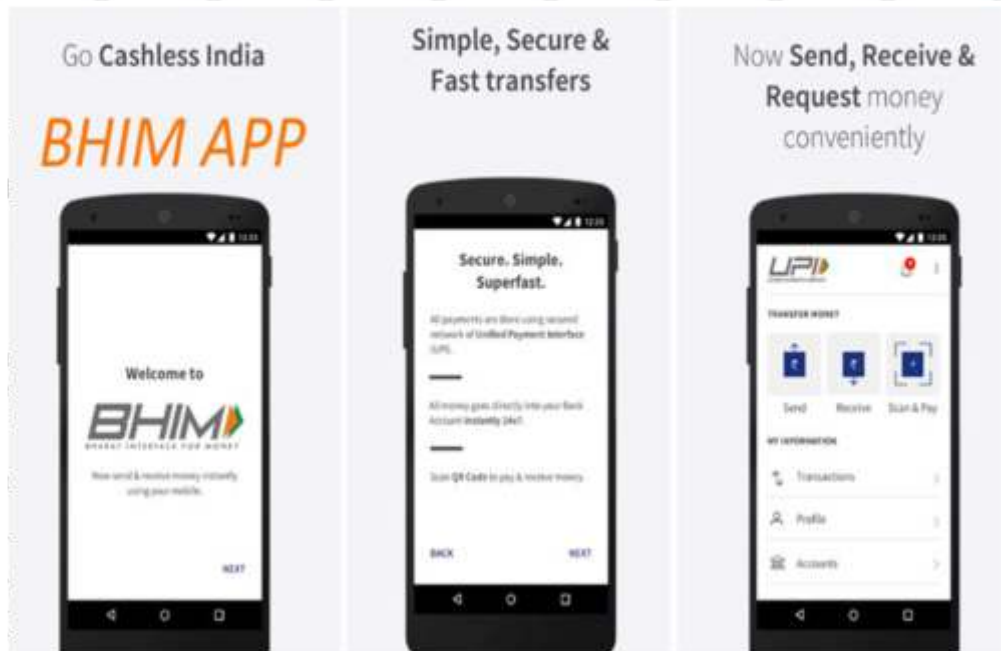
A.Raja Murugan.
III B.Voc. (SD)

Go Cashless

*P*rime Minister Narendra Modi launched an Aadhaar-based mobile pay-ment application called

BHIM (Bharat Inter-face for Money) at Digi Dhan Mela event in Talkatora stadium in New Delhi, .
The app is a rebrand-ed version of UPI (Unified Payment In-terface) and USSD (Unstructured Supple-mentary Service Da-ta).

Through the BHIM app, you can transfer money to a person only using his mobile number. You don't need a virtual payment address or bank account number. It makes the money trans-

Go Cashless India

BHIM APP

Simple, Secure & Fast transfers

Now **Send, Receive &** **Request** money conveniently

fer very easy Besides UPI PIN, you would be able to authenticate the fund transfer using your fingerprints. This app would also work on feature phone without Inter-net. There is 'Scan and Pay' facility. It makes the payment transfer fast, specially at a shop. You can also check bank balance of the account. It is not limited to the parent bank of the app. There is a extensive FAQ about the app. It makes **BHIM** app very helpful to novice users. You can also choose the desired language. The **BHIM** app gives you a link to directly call the respective bank if there is an issue. In fact, it has saved the customer care number of all the banks. You can easily download and share your QR code. This code can be used to pay to you. You can download the **BHIM** app from the Google playstore. Since, UPI system works on the Android platform, you would not find **BHIM** app for IPhone or windows phone. However, in future, you would expect the **BHIM** app for IPhone as well.

Sending money using BHIM app is more simple than you think.

-You can transfer fund to any bank account.
-You don't need to register the payee beforehand.
-BHIM transfers money immediately.

features

CAN YOU GUESS THE PHONE BRANDS FROM THE EMOJI?

1. ❌ 🔑 👍
2. 👀 📞
3. 🚗 🔥
4. 📐 🥤G
5. ⚫ 🍓

SP.Kaliswaran
I B.Voc.(SD)

How to make a CARTOON?

Cartoons today are no longer just for entertainment or a show. On the Internet, you can find many animated clips on serious topics: political, educational, and so on. Why not have a go at this popular genre yourself? Make your own cartoon, share it on the web, and maybe you'll wake up famous one day! A good place to start would be our instructions on how to make a cartoon animation!

Step 1: Make Figures

Prepare your clay on a work table, and make the figures and scenery for your cartoon. To keep your figures steady, sculpt them around wire skeletons.

Step 2: Take Photos

Place your camera on a tripod or a flat surface and start your shoot, making 2-3 frames of each action of the characters. The most important thing is to shoot from the same position for all frames. After the shooting is done, connect the camera to your computer and transfer your photos to the hard drive.

Step 3: Install Movavi Video Editor

Download and install Movavi Video Editor for Windows or Mac OS. Follow the onscreen instructions to install the software.

Step 4: Add Your Photos to the Program

Click Add Media Files and select the photos you want to use in your cartoon. The chosen images will be automatically added to timeline. To put the photos in the order you want them to appear in your cartoon, just drag them around the Video Track on the timeline. Then hit the Picture button (right above the timeline) and set the tim in for the frames in the Image slide duration field.

Step 5: Add Soundtrack

To work with audio files, click Add Media Files again and select an audio file for your cartoon. If the audio track is longer than the video, you can simply cut it: click on the audio file on the timeline, set the red marker to the required start position, and click the Scissors button as shown in the screen image. This separates your audio file into two parts, so you can select the unnecessary section and just hit Delete on your keyboard.

Step 6: Save Your Cartoon

click Export, and select the appropriate tab in the upper part of the pop-up window. For example, to save your video on your hard drive in the format of your choice, click the Save as Video tape. If you want to view the video on your mobile device, select the ap-

propriate tab. If you want to upload your cartoon to a social network such as YouTube, Facebook or Vimeo, click For Uploading Online and select the preset that fits your needs best.

P.Suvetha
II B.Voc.(SD)

Answer for riddle asked in page no. 2

Error.!! Error.!! Error.!!

LaCie SAFE Drive with Encryption

LaCie SAFE drive is revolutionary hardware encryption, the LaCie SAFE Mobile Hard Drive guaranties ultimate security for your highly confidential data. Files stored on the hard disk are automatically coded— without transfer rate compromise. Even if the drive is pulled out from the casing, data remains encrypted and no corruption is possible. The encryption depends on a sole key stored directly on the board; this innovative technology makes each drive unique.

This hard drive has been specially designed for professionals with top-secret data such as intelligence agencies, government authorities, financial institutions, and offices with highly sensitive files such as law firms. Take this portable hard drive with you on the road for business travel with the assurance that your trade secrets or private financial information are safeguarded in the event of it being lost or stolen.

LaCie Safe 250GB biometric hard drive
Fingerprint security World Exclusive Review: You don't have to have filled you hard drive with scandalous shots of your holiday to the fleshpots of the Far East to want to keep your files safe from prying eyes. Depending on your operating system, you can use built-in tools or third-party apps to protect the information on your computer,

LaCie's answer is simple: buy a biometric drive. The storage specialist has been offering a pair of mobile products with integrated fingerprint scanners for a while now. One of them even automatically encrypts the data stored on it. But today it has begun shipping a desktop version - minus the encryption feature, alas - for buyers who need the speed and capacity mobile drives can't yet offer.

Dubbed simply the Safe, the hard drive is available in a range of capacities up to 500GB. I tested the 250GB model.

K.S.Susmitha.
I B.Voc. (SD)

New features in 12c release Oracle

My article provides an overview of new features available in oracle *Enterprise managers cloud control* 12c.

It covers new features in oracle Enterprise manager cloud control releases 12.1.0.1, 12.1.0.2, 12.1.0.3, 12.1.0.4, and 12.1.0.5.

It lists new features specifically associated with the base oracle Enterprise manager platform which includes the cloud control console, oracle management Agents. The latest plug-in and connector releases are also highlighted.

Enterprise management cloud control

Enterprise manager cloud control now provides you with a single

pane of glass for monitoring and managing both your on-premise and oracle cloud deployment, all form the same management console. By deploying management agents on to the oracle cloud virtual hosts services your oracle cloud service. Support is provided for manag-ing oracle database and fusion middleware pass targets,, as well as JVMD support for monitoring JVMs on your oracle cloud virtual hosts.

L.Nandhini.

II B.Voc. (SD)

"There was never a version 1 of Oracle database. Larry Ellison called the new software as Oracle database version 2."

Top 10 Reasons to Root Your Android Phone

10. Unlock Hidden Features and Install "Incompatible" Apps.

9. Automate Everything

8. Boost Your Phone's Speed and Battery Life

7. Block Ads In Any App

6. Back Up Your Phone for Seamless Transitions

5. Remove Preinstalled Crapware

4. Tweak the Dark Corners of Android

3. Flash a Custom Kernel

2. Flash a Custom ROM

1.Truly Own Your Device.

C.Karuppaiah.

III B.Voc. (SD)

What you say...

WHICH WEBSITE DO YOU VISIT THE MOST ?

Facebook , LinkedIn - To connect with people.

-A.Vigneshwaran.
II-B.Voc.(SD)

W3schools, Wikipedia Because it's informative, helpful.

-- S.Priyanka.
III B.Voc.(SD)

YouTube. It is fantastic to learn new ideas.

-- P.Kishore
I B.Voc.(SD)

Snapdeal, flipkart, facebook, and so on..

--R.Sathish
II B.Voc.(SD)

Windows 10 Operating System

Windows 10 is the version of Microsoft's flagship Operating system that follows windows 8 .

The Operating system was released in July 2015 The familiar start menu (Which had been replaced by live Tiles in windows 8) is back the metro interfaces with its live tiles is accessible from a panel to the right of the start menu.

M.Duraimurugan.
II B.Voc. (SD)

Advantages for Windows 10

- Familiar start menu.

- The Metro interfaces with its live tiles.

- Easy to toggle between Touch screen and keyboard interfaces on devices.

Disadvantages of windows 10

- Windows 10 cannot upgrade oldest windows versions.

- You can no longer close apps by swiping them down from top to bottom.

- Windows 10 is the sizzle.

WINDOWS 10 SHORTCUT KEYS

Keyboard shortcut keys	Description
Windows	Show The Windows 10 Start menu
Windows + Tab	Launch Windows 10 Task view
Windows + Q	Search The Web And Windows With Cortana(Speech)
Windows + S	Search The Web And Windows With Cortana(Speech)
Windows + I	Open Windows 10 Settings
Windows + A	Open Windows 10 Notification
Windows + L	Lock Your Windows 10 device
Windows + Ctrl+F4	Close Current Virtual Desktop
Windows + H	Share Content (if supported by current app)
Windows + K	Connect To Wireless Display And Audio Devices.
Windows + G	Open The Windows 10 Game Bar To Take Games Screenshots And Record, Gaming Videos Of Windows 10.
Windows + D	Show Windows Desktop.
Windows+Shift+[Left] [Right]	Move Current Windows From One Monitor To Another(When Using A Multiple Monitor Setup)
Windows + R	Run A Command.
Windows + P	Project A Command.

K.Surya Devi.
I B.Voc. (SD)

Upcoming Event

ALAGAPPA INSTITUTE OF SKILL DEVELOPMENT & COMPUTER CENTRE
ALAGAPPA UNIVERSITY
(Re-accredited with 'A' Grade by NAAC)
Karaikudi - 630003

IT SKILLS SHOW
&
9th - 10th March, 2017

INTERNATIONAL CONFERENCE ON ADVANCEMENTS IN COMPUTING RESOURCES (SSICACR – 2017)

IT SKILLS SHOW

ZONES OF THE SHOW
- Hardware Infrastructure for IT
- IT in Engineering controls (Electronics / Communication / Mechatronics) and Production
- IT and Enterprise
- IT in Media and Creative
- Mobile Apps

GUIDELINES
- Two participant can form a team
- A team can have a 'Mentor' (Teaching Professional)
- An Institution can send any number of teams with due bonafide certificate

PRIZE CATEGORY	CASH PRIZE
First Prize	Rs. 5000/-
Second Prize	Rs. 3000/-
Third Prize	Rs. 2000/-

REGISTRATION FEE :

Participant Category	India	Overseas
Participation Team	Rs. 1000/-	US$ 20

Last Date for Registration 08.02.2017

Separate reward for **Institution** and the **Mentor**

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ADVANCEMENTS IN COMPUTING RESOURCES

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- Distributed, Grid, Cloud and Scalable Computing
- High Performance / Green Computing
- Information Retrieval, Processing and Management
- Information security and privacy
- Intelligent Information Systems
- IT for health care, e-Governance
- Multimedia systems and services
- Software Engineering
- Software Metrics
- Wireless Ad Hoc & Sensor Networks

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Industry, R&D	Rs. 2000/-	US$ 30
Academicians	Rs. 1500/-	US$ 25
Research Scholars / Students	Rs. 1000/-	US$ 20
Student Listeners	Rs. 300/-	US$ 10

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Inviting contributions for Magazine April-2017

ENJOYED THIS ISSUE?

What you say...

Thank you for reading this issue of **SofTact** - we hope that the information and tips are useful to you. We look forward in receiving your valuable feedback about this magazine for continuous improvement.

WHICH GADGETS DID YOU USE MOST IN 2016?

Send your views to
aisdsoftact@gmail.com

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