

Google Android Developer Fundamentals Workshop



Department has organized a 3 days workshop on “Google Android Developer Fundamentals Workshop” in association with APSSDC from 28th To 30th Aug, 2017. In this workshop 3rd year students has participated actively and learn about the features of android and architecture. And they learn how create a basic apps in android.

Interaction Session On Current Technologies



Department has arranged a interaction session with Dr. J. Lakshmi, Principal Research Scientist, IISc. She explained the importance of current technologies like Cloud Computing, Big Data, Artificial Intelligence, IOT, Data Mining, Machine Learning and their real time applications. All the final year CSE students had attended this session.

There was a questionnaire session on below topics:

- What are the services offered by cloud computing?
- Difference between socket and RPC level of network programming
- What kind of real time domains are flexible for final projects?

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MESSAGE FROM HEAD OF THE DEPARTMENT

Real Time Analysis with Apache Hadoop:

Apache Hadoop is revolutionizing big data in more than one way. While the Hadoop platform introduced reliable distributed storage and processing, various packages such as Spark on top of Hadoop make it possible to build applications and analyze data much faster. Here are some cool ways the Hadoop stack is being used right now.

Fraud Detection

If you've been to your local grocery store lately, you might have noticed a new PIN pad has been installed. Why would they do that when the old credit card readers worked just fine? The main reason is to guard against credit card fraud.

Credit card companies are switching from the old magnetic strip and signature method over to EMV (Europay, MasterCard, and Visa), also known as the “Chip-and-PIN” system. It's the same system that's been in use for several years in Europe. The new cards have a little chip that generates a one-use code, which you use with a PIN, just like with your ATM card. Some of the credit card companies are using Chip-and-Signature, but the premise is the same.

Recently, credit card companies have put pressure on merchants by shifting liability for fraudulent purchases over to them as of autumn 2015 if they refuse to upgrade.

Still, the system isn't perfect, with proof-of-concept hacks and even card readers that have been tampered with. In any case, it's in everybody's interest to detect fraud while it happens. Credit card companies are doing just that, learning their customers' patterns and catching anything that looks out of character, like a purchase in a foreign country when you just filled up at a gas station a few minutes ago.

Here is an example of a company that analyzes millions of transactions in real time to flag those which are potentially fraudulent, saving them and their customers lots of money.

User Profiles

If you listen to new tunes on Pandora or binge-watch your favorite shows on Netflix, you're building a profile of things you've liked and stuff it thinks you'll like in the future.

These companies want to keep you happy so you will remain subscribed and contribute to their profit margin. The best way to do that is to keep serving up content that you want. But these services have lots of users, and processing user preferences can take a long time.

MapR has created a proof-of-concept that works in the real world under real loads.

Business Analytics

Business moves fast in the 21st century. While computers have been part of modern businesses since the middle of the last century, it always seems that they're just not fast enough. Sure, a company could store vast amounts of data, but the process to access it was just too slow—until Spark.

Quantium, an Australian data analytics company, uses Spark and Hadoop to offer fast analytics to companies such as Woolworths, National Australia Bank, and Foxtel. Quantium is using Spark to generate insights near real time. The database queries have a latency of under 50 milliseconds, to support live interactive use such as in call centers.

The company's whole approach is to favor interactive use rather than batch processing. The ability to move fast allows businesses to create new products and respond to market changes that much faster.

Upcoming Events

IoT Workshop

CSI Events

Editors

Dr. P. Indira Priyadarshini
Mr. G.Dileep Kumar
Mr. M.Mallikharjuna Rao
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Staff Achievements:

- ❖ Prof.R.Ramesh organized a one-week FDP on Cloud Computing With AWS in association with IITGuwahati from 7th to 13th August, 2017.
- ❖ Dr.M.S.S.Sai organized a 3 day workshop for students on “Android Fundamentals” in association with apssdc from 28th To 30th Aug,2017.
- ❖ Mr.C.N.S.Vinoth Kumar published a paper “Improved Secure Three – Tier Architecture For Wsn Using Hopfield Chaotic Neural Network With Two Stage Encryption” in IEEE Explorer with Isbn:978-1-5090-4432-0.
- ❖ Mr.A.VeeraRaghavaRao presented a paper “A Novel Approach:Reliable And Secure Data Storage And Retrieval In A Cloud” in international conference ICECDS-2017(IEEE) from 1st To 2nd Aug,2017.
- ❖ Mrs.B.Bhavani published a paper “A Multi Authority Cp-Abe Access Control Scheme For Public Cloud Storage” in IJEMR , Vol-06, Issue -05.
- ❖ Prof.R.Ramesh, Dr.M.S.S.Sai, Dr.P.IndiraPriyadarsini, Mr.A. VeeraRaghavaRao, Mrs.A.Suneetha, Mr.M.MallikarjunaRao, Mrs.Ch.Jhasi Rani, Mr.M.Suresh, Mrs.B.Bhavani, Mr.C.N.S.Vinoth Kumar, Mr.G.Dileep Kumar, Mr.M.Ramesh, Mr.B.Adinarayana Reddy, Mrs.D.Jhansi Rani, Mrs.Y.Vasanthi, Mrs.K.Jhansi Rani, Mrs.Sk.ShammiMunnisa, Mrs.V.N.V.Swathi, Mr.K.J.Ratnakar, Mr.M.RatnaRaju, Mr.K.Upendra, Ms.J.Sudeepthi, Mr.V.N.V.SrinivasaRao, Mrs.R.VijayaDeepthi, Mr.M.Nagaraju, Mr.A.Srinivasa Reddy, Mrs.G.Hemalatha and Mrs.J.Praveena are attended a one-week FDP on “Cloud Computing With AWS” at KITS-Guntur, AWS in association with IITGuwahati from 7th to 13th August, 2017.
- ❖ Prof.R.Ramesh , Mr.A. VeeraRaghavaRao,Mr.G.Dileep Kumar, Mr.B.Adinarayana Reddy ,Ms.Ch.Susmitha and Mrs.G.Hemalatha are attended a two-week FDP on “Foundation Program In ICT Education” at RVR&JC

College Of Engineering in association with IIT-Bombay from 19th To 20th Aug,2017.

- ❖ Dr. Ch.Aruna has attended a “Professional Development Course” by Oracle Academy at VVIT, Guntur on 11th to 15th August, 2017.
- ❖ Dr.G.Murali and Dr. Ch.Aruna are attended a 3 days workshop on “IUCEE Ap Chapter-IIIECP” at KL University organized by APSSDC on 31st July To 2nd August.
- ❖ Mr.A. VeeraRaghavaRao and Mrs.G.Hemalatha are attended a one day workshop on “IOT Using Raspberry PI” at Pantech Pro Ed Private Lmt, Vijayawada on 15th Aug,2017.
- ❖ Mr.G.Dileep Kumar and Mr.K.Upendra are attended a 2 day FDP on “Introduction To R Programming” at RVR&JC College Of Engineering in association with DELL EMC on 16th To 17th Aug,2017.

Events:

FDP on “Cloud Computing with AWS”



Department has organized a one week FDP on Cloud Computing with AWS in association with IIT Guwahati and kovid academy from 7th– 13th August, 2017. In this FDP nearly 40 faculty has Participated from Host College and various other colleges like BITS Pilani, Pondicherry, and RVR&JC and VRSEC and few other colleges had participated in this FDP.