Events and Activities

REACH YOUR TRUE POTENTIAL

8-2-14 : A motivational lecture was organized by CSI Student Branch, AIM & IT Udaipur on 8 February 2014 the topic was "Reach on Your True Potential". Students form undergraduate and postgraduate courses attended the session. The objective of the session was to motivate the students to recognize their potential and accomplish their goals. The guest speaker was Ms. Sheetal Jhota, Owner & MD, Mind Power Group, Udaipur.

Ms Jhota explained the mind power to achieve a true goal of the life. She told the students, the objectives of hard work, as (i) Success (ii) Happiness and (iii) Mental Peace. She discussed about the smart work & sharp work with the students. She narrated small stories which had a moral learning.

She told the students how to decide goal. For short term goal, first have a clear picture with date in the mind to achieve that goal. Second is, to have a burning desire to achieve the short term goal. Specially make a vision board and see that every morning. She explained the role and importance of positive energy in life. And at the end students were asked their queries to the guest.

The guest was welcomed by Ms. Surbhi Jain (MCA IInd Sem.), was given away a token of respect by Ms. Pooja Kothari (MCA IVth Sem) and vote of thanks by Ms. Karishma Pathak (MCA IInd Sem).

CLOUD COMPUTING BOOTCAMP

1-2-14 : Students (MCA & BCA) from CSI student Branch participated in a one day workshop entitled "Cloud Computing Bootcamp" 01-02-2014 organized by Techno India NJR Institute of Technology, Udaipur.

The bootcamp was organised in 4 sessions. 1st & 2nd session was headed by Mr. Gaurav Mantri,

Founder of Cerebrata & Cynapta. It was totally based on cloud computing environment. The 3rd & 4th session was headed by Mr. Dhananjay Kumar who had developed a small cross platform mobile application during the session. In all 8 students participated in the workshop with Ms Nikita Jain (Asst. Prof.). The students got an opportunity to learn the latest technologies and also witnessed demonstration of a unique application development style.

SHORT TERM TRAINING PROGRAM ON MARKET ANALYSIS

12 & 13-03-2014 : A short term training programme was organized by CSI Student Branch, Aishwarya Institute of Management & IT on 12 & 13 February 2014 on Basic level Course on Market Analysis. The experts were Mr. Vijay Talreja & Mrs. Deepmala Talreja Owner & MD, Riddhi Siddhi Commodity Ltd. The objective of the course was to provide a fair exposure to the students of Computer Science and Application about Financial Markets, technical details, working and live demonstrations and prediction of trends.

The STTP was attended by Students and Faculty Members; it was very knowledgeable and interesting for the participants to learn about studying, analyzing and predicting in financial markets. The session raised great interest and turned out to be very interactive. This was a unique opportunity to witness the working in market, live.

PRESENTATION COMPETITION

17-02-14 : A project proposal presentation competition was organized for the students by CSI Student Branch, AIM & IT on 17/02/2014 in the college campus in which Dr. Manju Mandot (Professor CS & IT, JRNRV, Udaipur) was invited as a guest. Students of MCA and BCA participated in the program. Total Nine students presented on various topics like online tourism, online shopping, restaurant management etc. First prize was bagged by Pooja Kothari (MCA IV Sem), and second by Dimple Jain (MCA IV Sem). Dr Manju Mandot addressed the audience by appreciating their efforts and enthusiasm for participating in the project presentation and also gave practical tips to improvise which may help them in future. She also recommended students to conceive projects with maximum utility for the society and made them understand the importance of such kind of projects. Program ended on a positive note leaving the students with new insights and ideas.

DEBATE COMPETITION

1-03-14 : On 1st March 2014 Debate was organized on the topic "Advancement in information and communication Technology are good for children" on the occasion of National Science Day which is marked on 28 February. 12 students were participated in the event. They shared their views in favor and against. The guest Mr Abhishek Kumar appreciated students for their enthusiasm and interest in the event. Ms Pawandeep kaur was declared as the first winner and Miss Bhawana Dangi declared as the second winner of the debate. On the closing of the program vote of thanks and memento was given by Pooja Kothari (MCA IV).

PROGRAMMING CONTEST

(7-03-14 : During the two days annual intercollegiate annual management tech fest "Lakshya 2014" a programming contest was organized by the CSI student Branch, AIM & IT. The contest focused on problem solving skills practically and debugging and analytical skills on paper.

Students participated in the contest enthusiastically and gave their best performance. The winners were Dimpal Jain and Twinkle Kumawat.

INFORMATION HUB: bitcoin

Bitcoin is an experimental, decentralized digital currency that enables instant payments to anyone, anywhere in the world. Bitcoin uses peer-to-peer technology to operate with no central authority: managing transactions and issuing money are carried out collectively by the network. The original Bitcoin software by Satoshi Nakamoto was released under the MIT license. Most client software, derived or "from scratch", also use open source licensing.

Bitcoin is one of the first successful implementations of a *distributed crypto-currency*, described in part in 1998 by Wei Dai on the cypherpunks mailing list. Building upon the notion that money is any object, or any sort of record, accepted as payment for goods and services and repayment of debts in a given country or socio-economic context, Bitcoin is designed around the idea of using cryptography to control the creation and transfer of money, rather than relying on central authorities. Bitcoin uses peer-to-peer technology to operate with

no central authority or banks; managing transactions and the issuing of bitcoins is carried out collectively by the network. **Bitcoin is open-source; its design is public, nobody owns or controls Bitcoin and everyone can take part**. Through many of its unique properties, Bitcoin allows exciting uses that could not be covered by any previous payment system.

Bitcoins

Bitcoins are the unit of currency of the Bitcoin system. A commonly used shorthand for this is "BTC" to refer to a price or amount (e.g. "100 BTC"). There are such things as physical bitcoins, but ultimately, a bitcoin is just a number associated with a Bitcoin Address. A physical bitcoin is simply an object, such as a coin, with the number carefully embedded inside. See also an easy intro to Bitcoin.

How are new bitcoins created?

New bitcoins are generated by the network through the process of "*mining*". In a process that is similar to a continuous raffle draw, mining nodes on the network are awarded bitcoins each time they find the solution to a certain mathematical problem (and thereby create a new block). Creating a block is a proof of work with a difficulty that varies with the overall strength of the network. The reward for solving a block is automatically adjusted so that, ideally, every four years of operation of the Bitcoin network, half the amount of bitcoins created in the prior 4 years are

created. A maximum of 10,499,889.80231183 bitcoins were created in the first 4 (approx.) years from January 2009 to November 2012. Every four years thereafter this amount halves, so it should be 5,250,000 over years 4-8, 2,625,000 over years 8-12, and so on. Thus the total number of bitcoins in existence can never exceed 20,999,839.77085749 and counting.

Blocks are mined every 10 minutes, on average and for the first four years (210,000 blocks) each block included 50 new bitcoins. As the amount of processing power directed at mining changes, the difficulty of creating new bitcoins changes. This difficulty factor is calculated every 2016 blocks and is based upon the time taken to generate the previous 2016 blocks.

Bitcoin for Individuals

Bitcoin is the simplest way to exchange money at very low cost. Bitcoin is an innovative payment network and a new kind of money.

Mobile payments made easy

Bitcoin on mobiles allows you to pay with a simple two step scan-and-pay. No need to sign up, swipe your card, type a PIN, or sign anything. All you need to receive Bitcoin payments is to display the QR code in your Bitcoin wallet app and let your friend scan your mobile, or touch the two phones together (using NFC radio technology).

Security and control over your money

Bitcoin transactions are secured by military grade cryptography. Nobody can charge you money or make a payment on your behalf. So long as you take the required steps to protect your wallet, Bitcoin can give you control over your money and a strong level of protection against many types of fraud.

Works everywhere, anytime

Just like with email, you don't need to ask your family to use the same software or the same service providers. Just let them stick to their own favorites. No problem there; they are all compatible as they use the same open technology. The Bitcoin network never sleeps, even on holidays!

Fast international payments

Bitcoins can be transferred from Africa to Canada in 10 minutes. There is no bank to slow down the process, level outrageous fees, or freeze the transfer. You can pay your neighbors the same way as you can pay a member of your family in another country.

Zero or low fees

Bitcoin allows you to send and receive payments at very low cost. Except for special cases like very small payments, there is no enforced fee. It is however recommended to pay a higher voluntary fee for faster confirmation of your transaction and to remunerate the people who operate the Bitcoin network.

Protect your identity

With Bitcoin, there is no credit card number that some malicious actor can collect in order to impersonate you. In fact, it is even possible to send a payment without revealing your identity, almost just like with physical money. You should however take note that some effort can be required to protect your privacy.

Bitcoin for Businesses

Bitcoin is a very secure and inexpensive way to handle payments.

The lowest fees out there

Bitcoin's high cryptographic security allows it to process transactions in a very efficient and inexpensive way. You can make and receive payments using the Bitcoin network with almost no fees. In most cases, fees are not strictly required but they are recommended for faster confirmation of your transaction.

Protection against fraud

Any business that accepts credit cards or PayPal knows the problem of payments that are later reversed. Chargeback frauds result in limited market reach and increased prices, which in turn penalizes customers. Bitcoin payments are irreversible and secure, meaning that the cost of fraud is no longer pushed onto the shoulders of the merchants.

Fast international payments

Bitcoins can be transferred from Africa to Canada in 10 minutes. In fact, bitcoins never have any real

physical location, so it is possible to transfer as many of them anywhere with no limits, delays, or excessive fees. There are no intermediate banks to make you wait three business days.

No PCI compliance required

Accepting credit cards online typically requires extensive security checks in order to comply with the PCI standard. Bitcoin still requires you to secure your wallet and your payment requests. However, you do not carry the costs and responsibilities that come with processing sensitive information from your customers like credit card numbers.

Get some free visibility

Bitcoin is an emerging market of new customers who are searching for ways to spend their bitcoins. Accepting them is a good way to get new customers and give your business some new visibility. Accepting a new payment method has often shown to be a clever practice for online businesses.

Multi-signature

Bitcoin also includes a feature, not yet well known, which allows bitcoins to be spent only if a subset of a group of people sign the transaction (so-called "n of m" transactions). This is the equivalent of the good old multi-signature cheque system that you might still use with banks today.

Accounting transparency

Many organizations are required to produce accounting documents about their activity. Using Bitcoin allows you to offer the highest level of transparency since you can provide information your members can use to verify your balances and transactions. Non-profit organizations can also allow

the public to see how much they receive in donations.

Bitcoin for Developers

Bitcoin can be used to build amazing things or just answer common needs.

The simplest of all payment systems

Unless payment needs to be associated with automatic invoices, accepting money is as simple as sending a bitcoin: link or displaying a QR code. This simple setup is within reach of any user and can fulfill the needs of a good range of clients. When done publicly, it is especially suitable for transparent donations and tips.

Many third party APIs

There are many third party payment processing services that provide APIs; you don't need to store bitcoins on your server and handle the security that this implies. Additionally, most of these APIs allow you to process invoices and exchange your bitcoins into your local currency at competitive costs.

You can be your own financial system

If you don't use any third party APIs, you can integrate a Bitcoin server directly in your applications, allowing you to become your own bank and payment processor. With all the responsibilities that this implies, you can build amazing systems

that process Bitcoin transactions with almost no fees.

Bitcoin addresses to track invoices

Bitcoin creates a unique address for each transaction. So if you were to build a payment system associated with an invoice, you simply need to generate and monitor a Bitcoin address for each payment. You should never use the same address for more than one transaction.

Most of the security is on client side

Most parts of the security are handled by the protocol. This means no need for PCI compliance and fraud detection is only required when services or products are delivered instantly. Storing your bitcoins in a secure environment and securing payment requests displayed to the user should be your main concerns.

Cheap micro payments

Bitcoin offers the lowest payment processing fees and usually can be used to send micro payments as low as a few dollars in value. Bitcoin allows designing new creative online services that could not exist before only because of financial limitations. This includes various kinds of tipping systems and automated payment solutions.