

ATHARVA

20th Edition

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EDITOR'S CORNER

Divya Pichumani

July is the month of bonding between the seniors and juniors at SCIT. The senior batch returned home after successful completion of their summer internships and was greeted by the enthusiastic junior batch.

Numerous batch meets were organised by the seniors to get to know their juniors. New members were elected to take over the committee works and responsibilities were explained. Legacies were passed down from the seniors to juniors to help them get insights on the kind of work expected from them.

The first Guest Lecture of the month was delivered by American Express, followed by talks from Hexaware and VMware. The students are gearing up for a wonderful academic year ahead hoping to deliver their best in all fields. Overall, the students of SCIT were exposed to new learning experiences in the month of July. The Web and Media committee proudly presents the 20th Edition of Atharva to all its readers. Happy reading!

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SCIT STUDENTS AT RITSUMEIKAN UNIVERSITY

Manpreet Kaur



"You need experience to get experience". Considering it, SCIT is helping its students in getting this experience not only in the domestic companies but also outside the national boundary. SCIT's collaboration with Ritsumeikan University, globally recognized University of Japan, helps the students in attaining expertise beyond normal skills.

Every year students of SCIT get an opportunity to explore globally. They are sent to completely new places where they face different challenges which indirectly help them in their overall growth. This year too, few interns did their research in various domains such as Requirement Engineering, Data Engineering and Data Science.

The Interns had a very lucrative experience. One of the interns, Divya Nadar, stated that the three months had taught her many important lessons which would guide her throughout her career. She mentioned that getting acquainted with new work culture and language was the biggest challenge. She added that this internship helped her in knowing the value of self-motivation, independent working and most importantly the value of time. Her biggest learning was: "Knowledge is absolute perfection."

Soumya V Ganesh, another intern also had quite a similar experience. She said that the most important thing that one can learn is the clarity of thoughts. She mentioned that she re-learned various things. She felt that this internship has changed her outlook on learning.

The third intern, Saikat Ghosh added that he was an introvert and had fear of public speaking. But this experience helped him in overcoming this hurdle. The foreign exposure had not only taught him how to face challenges but also new ways of considering things.

Other than work oriented skills, the exposure that they have attained is ineffable. Experiencing a new culture helped them to learn cross-cultural skills and the importance of networking. Their research experience under internationally recognized professors is beyond enumeration. Such experience teaches individual things such as importance of independence, patience and above all self-motivation.

To encapsulate, the opportunity of doing internship abroad, not only helps individuals in inculcating transferable skills for successful career but also develops their overall personality. It refines them into more productive candidate and surges their overall market demand.

GUEST LECTURES

RISK AND INFORMATION MANAGEMENT

Shrita Karmokar



A guest lecture on Risk and Information management was conducted by American Express on 9th July, 2018. Students from both senior and junior batches attended the session in huge numbers. The main agenda of the session was to explain the type of business AMEX does; how their working environment is, why technology is a critical element for success in the organization and why people feel passionate about their work at AMEX. The speakers from the Risk and Information management department of AMEX were invited for the workshop.

Mr. Sudhanshu Jain, the Director of the Risk and Information Management department started off the session by quizzing the students on sports, technology and AMEX to keep it interesting. He introduced AMEX by stating that it is a financial services company and is still labelled as a 160-year-old start-up since they keep growing and challenging themselves every year. AMEX started off as a freight company and has continued to evolve over the years. It is ranked 86th amongst the Fortune 500 companies and has built a business of around \$1 trillion making it the highest in the world and has a global presence in over 130 countries.

The next speaker; Mr. Ashish Sharma who is an SCIT alumnus, works as a Senior Manager in the Risk and Information management department. He said that in the last ten years, data has exploded and the company has managed to tap in to the right tools and resources to make data

their biggest asset. There were few case studies taken up by Ms. Nikita Goel, to help the students understand how real-time business challenges can be tackled by analysing the problem from various angles. It also gave the students a glimpse of how important it was to brainstorm ideas before solving a problem. The last speaker of the day was Mr. Surya Sharma; the talent acquisition executive who spoke about the leadership development programs being conducted in the organization by having tie-ups with Harvard and Cornell University.

The session was interactive and informative. The students participated actively in the discussion and got insights on financial services industry and the current market scenario. The students look forward to similar sessions that will be conducted by the college in partnership with the industry giants. This helps the students in understanding the needs of the industry and also gives them a platform to improve their skills.

LATEST INFORMATION TRENDS IN THE MARKET

Dhruvi Luhar



A guest lecture was conducted on 12th July by Hexaware Technologies. Mr. Satish Warier and Mr. Maria Bellarmine Peter Raj provided insights on 'Latest Information Trends in the Market'. Mr. Satish Warier who has over 30 years of industry experience in multiple domains gave a brief description about the functioning of Hexaware Technologies Limited (HTL) and also about the various services it offers such as, Application Transformation and Management Services, Business Intelligence and Analytics, Digital Assurance, Enterprise Solutions,

Digital Customer, Business Process Services and Infrastructure Management Services. They spoke about their mission which is to transform how services are delivered and also how they are the first IT company in the world where half the workforce is digital, alongside their vision which is to continuously amplify human potential through the use of digital technologies. He also spoke about the core functions of the company which include the following:

1. Automate Everything
2. Cloudify Everything
3. Transform Customer Experiences

As the brief introduction came to an end, Mr. Maria Bellarmine Peter Raj, Head of Information Security Governance started a very interactive session by giving the students a glimpse of the 'Threat exploiting Vulnerability', 'Weakness, Vulnerabilities and Security Features', 'SCADA', 'Types of Hacking' and the other security related

issues that are predominant in the recent times. The speaker created awareness amongst the students regarding the Security issues in Smartphones and Electronic Gadgets, and inference running around the world in both online and offline modes. At the end of the session, he gave the students few Success Mantras in Information Security which highlighted the importance of being able to assess the risks associated with every action we perform in order to be a successful security practitioner. He educated the students to do smart work rather than hard work; as the technology was evolving and it was imperative to be in association with the latest security trends. He also conveyed the importance of Risk Analysis, Security at the backdoor (client) side and the Big Brother of Data Protection, GDPR (General Data Protection Regulation-EU).

The session concluded with the speaker throwing light on the growing importance of information security and the various opportunities that come associated with the field.

BUSINESS ANALYTICS AND AGILE FRAMEWORK

Doya Pichumani



SCIT had the privilege to host one of the global leaders in cloud infrastructure – VMware for the guest lecture session on 18th July 2018. The topic covered was “Business Analytics and Agile Framework”.

The hot topic of discussion for the day was Agile; one of the most preferred methodologies for Software engineering because of the continuous iteration development.

VMWare is a subsidiary of Dell Technologies that provides cloud computing and platform virtualization software and services. According to a report published by Gartner, VMWare is one of the top five software vendors in India.

Mr. Karthik Venkatraman; senior Business Analyst at VMWare addressed the gathering to provide his insights on the various strategies that the company had come up with in order to develop a Knowledge Management repository.

Ms. Roopa, alumnus of NMIMS; delivered her first guest lecture in SCIT where she spoke about the growth of the company over the years and the successes that it has to its credit. She said that the company follows EPIC2 strategy- Execution, Passion, Integration, Customer and Community for successful business development.

She also spoke about the Global Support Unit which is a dedicated business entity that faces their customers.

Mr. Karthik started the session by sharing his experience of booking an Uber cab instead of an Ola as the service was faster with respect to the former one. He

explained how he chose Uber at that point of time and went forward with that decision.

This simple example explained the existence of stiff competition in the market and why it is necessary to provide the best services in order to retain the customers in the business. He also said that the ability to track and retain a customer in any business is secured boundary.

Agility in this process helps in streamlining the same and reduces the complexity of the problem in hand. He then drove the session towards a case study which highlighted the hardships that VMware had to go through in order to establish a Knowledge Management repository.

He spoke about how it was essential to keep the end user in mind during every step of the process so that the task does not take a different route than what it was supposed to do in the first place.

He explained how his experience in Lean methodology had helped his team to cope with the various challenges thrown upon them when their initial blueprint failed to achieve the intended target.

He explained how lean methodology helped his team to improve performance by systematically removing waste and reducing variation. He also spoke about how his team had come up with strategies to adopt functionalities that invested in core technology in order to drive thoughtful and pragmatic decisions.

The team came up with both business and technical blueprint in order to build the Knowledge Management repository.



He also threw light on how Knowledge Management is a key to build successful relation with the customer and how it is essential to bridge the gap between the customers and the support system. He iterated the importance of coming up with a balanced approach and leading with change in mind in order to woo the customers and avoid overload or burnout.

He also spoke about the significance of shandholding while working in DevOps as it is a cyclic process that is currently used by companies for software development and testing.



The last part of the session elucidated what Agile and Scrum methodologies meant and how they are different from each other contrary to the general perception that these two meant the same.

He also enunciated that Agile and Scrum are mostly used in Project management but agile methodology employs incremental and iterative work beats that are called sprints whereas Scrum is a type of agile approach that is used in software development. He added that responding to change was the foundation of the agile methodology.

The session was closed with the quote – “Don’t do agile. Be agile” to highlight the importance of being updated with the various trends in the industry.

FACULTY BLOG

IT BASED SECURITY ATTACKS AND FRAUD

Mugdha Kulkarni



Information technology has provided multiplier effect to make fraud an even more ominous threat; possibly a risk which may affect not only trading results but

also affect long term solvency business entities. There is a saying that "Pen is mightier than the sword". But today, the mouse is much mightier than pen too. A man who has never gone to school may steal from a freight car; but if he has a university education, he may steal the whole railroad.

A white collar executive with the briefcase, a typical conventional profile of fraudster, can steal 100 times more than a 100 men with machine guns. This is because on one hand fraudulent are intellectually capable and other hand newer and more advanced computer, digital tools and internet facilities has given more strength or avenues. Sitting in comfort of their own house, they can transcend all barriers of geographical boundaries, time zones and currencies. They cause financial damage anywhere anytime in

unimaginable dimensions of quantum. Millions of dollar is transferred merely at click of button. Well planned and precisely executed frauds results in huge losses and depletion of assets and has snowball effect. The Financial sector (FS) was one of the first to be targeted by cybercrime – little wonder, as there have always been significant potential financial gains to be had from subverting computerised processes and corporate controls in banks. FS organisations believe that cybercrime is becoming a greater threat than ever before, and yet many do not believe that it will actually happen to them.

One of the recent ransomware attacks was a May 2017 worldwide cyber attack by the WannaCry ransomware cryptoworm, which targeted computers running the Microsoft Windows operating system by encrypting data and demanding ransom payments in the Bitcoin cryptocurrency. This attack had a very wide reach across the globe, which saw Over 200,000 victims and more than 300,000 computers infected. Even the case of PNB-Nirav Modi fraud is a classic example of fraudsters infiltrating the banking systems taking advantage of systemic weaknesses.

IT system audit will help to prevent these frauds. IT systems should be full proof and fool proof too. Both auditors and management have a major role to play in detecting frauds.

Deployment of relevant software security systems to improve security and add software checks and balances to functional systems is important. Technology audits prevent the risk of loss due to information systems malfunction and improves IT controls and mechanisms, whereas financial audit can provide solutions to ensure that accounting and reporting processes are adequate and functional.

In coming year's magnitude of fraudulent will increase the speed of devastation. Although organisations cannot protect themselves from unseen threat but should be vigilant and be watchful to counter fraud, limit damages and protect reputation. At present, we see a organisation are proactive to mitigate fraud risk management in their companies as compared to a year ago. This is an encouraging sign, which indicates a brighter future for corporate governance in India.

STAR ALUMNI

SACHIDANAND BHAT

Dhruvi Luhar



Star Alumni of July 2018 is Sachidanand Bhat. He is Co-Founder and currently Chief Marketing Officer at CodeLand Info Solutions Pvt Ltd. He has been working with CodeLand Info Solutions for the past

seven years. He was an intern in Ernst & Young IT advisory wing from April 2011 to July 2011. He completed his MBA from SCIT in 2012. He did his B.Tech in Mining Engineering from National Institute of Technology, Karnataka. At present, he is working on two distinct projects, Literated.com and Fleet Management System

for enterprises. He has wide industry knowledge in various fields like Business Strategy, Start-ups, Business Intelligence, Marketing Strategy and a lot more. Mr. Sachidanand has dynamic interests in various fields, pushes us to a new spirited level of learning. SCIT is vastly proud to call him the Star Alumni of the month.

TEAM WEB AND MEDIA

Faculty Mentors



Prof. Dr. Brijesh S. P.



Prof. Vidyavati Ramteke

Student Members



Akhil Nair
Web Developer



Alan Pinto
Social Media



Ambika Singh Ketwa
Photographer



Amit Khandebharad
Writer



Amol Waghmare
Designer



Anandam Roychowdhury
Photographer



Anshika Singh
Designer



Atul K
Video Editing



Bansari Pandya
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Bipin G Dhotre
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Dhruvi Lahar
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Haritha N
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