SYMBIOSIS
CENTRE FOR INFORMATION TECHNOLOGY

ATHARVA

EDITOR'S CORNER

–Suriya Narayanan

The year kicked off with a ray of hope. A few guest lectures were arranged for the students' knowledge enhancement. To swing into action the first guest lecture was about "IOT Security" by Mr. Akashdeep. It was an insightful session where the speaker gave an understanding and revelation about Security in IOT front. Then we had a session– "Recession 2009 to COVID 2022" taken by our Alumnus KD where we were made mindful of the repercussions of Recessions and how to sail through it. We also witnessed our very own Analytics Conclave- "Dattansh" where Illustrious Data Science leaders shared knowledge with us. "Neurodiversity Awareness" session happened threw some light on enhancing sustainable and meaningful employment, promoting inclusivity and helping young leaders become better at managing a diverse workforce.

DO NOT OVERVALUE WHAT YOU DO NOT HAVE AND DO NOT UNDERVALUE WHAT YOU HAVE

WHAT'S INSIDE

College Events
Guest Lectures
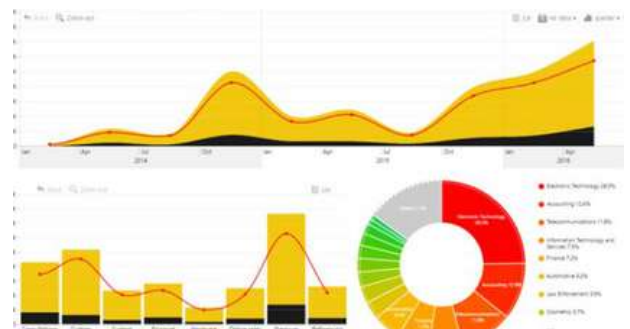Archives From Past
Star Alumni
Team Web and Media

WHAT MAKES POWER BI BEST TOOL FOR DATA VISUALIZATION

–Sourav Verma

On 12th Jan, an insightful workshop on PowerBI was conducted by Henry Harvin in collaboration with SCIT. The event was structured in five different modules, where the first module covered the basic introduction of the data visualization tool and its importance. In the next module, Miss Deepika, host of the workshop, explained the three different platforms where PowerBI is available: desktop, web, and mobile version. She introduced the query editor of the PowerBI and its applications. It helps in transforming or editing the data files before they are actually loaded in the Power BI.

The query editor acts as a data container where you can modify data. In the next part, she explained the key activities of the Power BI like connecting with the data, data cleansing and transformation, creating data models, creating reports, etc. The host also covered the topic of sales analysis, where a mock dataset was shown for the explanation.

Later, the Power BI service was discussed where collaboration and sharing take place and can also be used to create dashboards after creating and sharing the content. Power BI Desktop offers features like free application, data visualization, connecting with different data sources, building data models, creating reports, sharing reports, and data analysis. The insightful workshop concluded with a questions round from the students and detail about the certification course that students can avail.

Web & Media

WNM

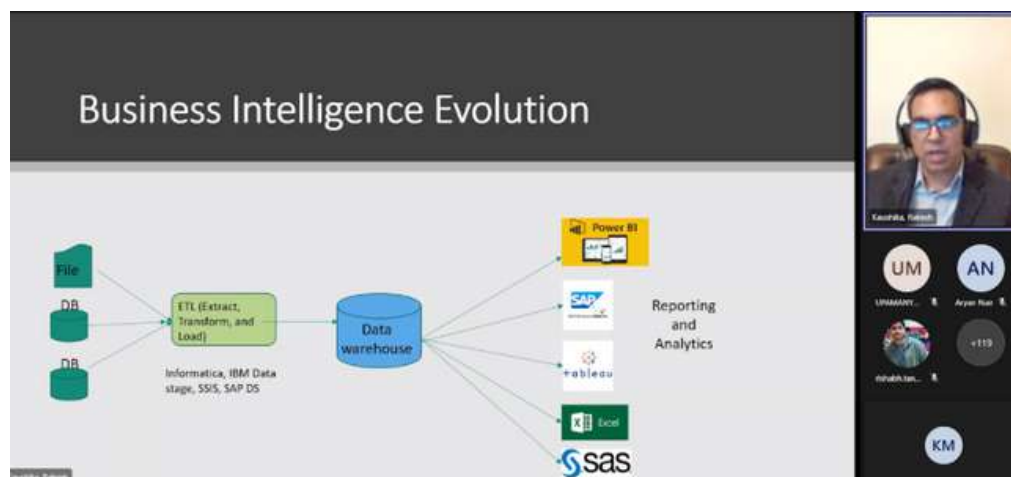# 4TH ANNUAL ANALYTICS CONCLAVE: DATTANSH '22

-Himani Deshmukh

The 4th Annual Analytics Conclave: Dattansh '22 was held in January. The theme for the event was Data Nova - Transcend Through Data. The event began with Director Dr. Dhanya Pramod sharing how DS and AI are gaining popularity and how companies constantly look for data insights. Data analytics shows a promising future in the job market and business transformation trajectory. The keynote speaker for the event, Mrs. Mamta Agrawal, threw some light on how Covid is impacting us all, and somewhere it has accelerated the growth of data science. She provided us with the insight that 52% of the companies believe that AI Adoption skyrocketed over the last 18 months. 86% of the companies say AI will become a mainstream technology at their company in 2021.

Mr. Rakesh Kaushika explained what data science is all about, stating that data science means Business intelligence, predictive analytics, AI and machine learning, IT knowledge, and business domain knowledge. He further said we had entered the era of AI-led transformation, where companies invest heavily in data analytics models.

Mrs. Supriya Raman mentioned how data public in the early 2000s led to all the trends in data, and COVID also contributed to the mass production of data. We could use unstructured data by interpreting it concerning text analysis. She further deep-dived on how Semantic processing can be done better with deep learning architecture.

Dr. Prashant Bhat explained AI business value forecast by industry and Hype Cycle for AI Manufacturing industry and Automotive industry. He further stated SCM (supply chain management) is a critical part of the industry, and AI helps predict and forecast SCM.

Dr. Rajan Gupta talked about various reasons for the data boom (digitization and automation, technology affordability, accessibility & adoption, change in people's behavior & interest). He even mentioned Scientific methods behind the data science landscape and use cases.

NEURODIVERSITY AWARENESS AT THE WORKPLACE

- Khyati Thakur

A webinar on 'Neurodiversity Awareness at the Workplace' was hosted by the ISR committee with Ms. Panchali Banerjee, an organizational psychologist and behavioral consultant and Ms. Geethanjali Ganapathy, Neurodivergent, accidental entrepreneur who threw light on neurodiversity, enhancing sustainable and meaningful employment for neurodivergence and promoting inclusivity as well as helping young leaders become better at managing a diverse workforce. The webinar was hosted on 20 January 2022.

The webinar began by explaining the vision and mission of Orchvate. 'Building a neuro inclusive society was the vision' whereas 'providing sustainable and meaningful employment to the neurodivergent in India and partnering with enterprise to build neuro diverse inclusive workplaces' was the mission of Orchvate. Some statistics were also discussed such as 1 out of 7 people are neurodiverse. 197 million people in India are neurodiverse. The guests further explained the meaning of neuro-diversity and different neurodivergent conditions such as SLD, Dyspraxia, Mood disorder, Intellectual disability, Hyperlexia and Synesthesia. The guests showed different videos based on the topic which helped the students develop a better understanding about the topic and its importance.

The guests explained the different types of SLD such as dyslexia, dysgraphia, dyscalculia. The guests shared a beautiful line 'You have to see to believe' and 'That's one small step for a man, one giant leap for mankind- Neil Armstrong'. A video of Elon Musk was also shared by the guests which was created for Orchvate. The different forms of the neurodiversity were also explained by the speakers. The speakers also discussed about OCD, Bipolar and its prevalence in India. They also explained the models of disability and different case-lets.

Overall, it was an extremely successful and highly informative webinar which helped the students know a lot about the topic.

GUEST LECTURE

Reflections- Recession 2009 to COVID 2022

-Himani Deshmukh

In January, the guest lecture committee organized the first guest lecture for 2022. Mr. Krishnadas 'KD', Alumnus, SCIT, Vice President-Business Development at FinAccel, delivered the Reflections-Recession 2009 to COVID 2022."Recession is an opportunity in wolf's clothing"- Robin Sharma. It is rightly said amid crisis, opportunity blossoms. KD started the lecture with a brief about what happened in the 2009 recession. One of the worst economic declines in US history, the Great Recession officially lasted from December 2007 to June 2009. During the Great Recession, the unemployment rate rose from 4.5 percent in December 2006 to 10 percent in October 2009. The downturn lasted 18 months. The recovery was slow, reaching 6.9 percent in 2013 and 3.5 percent in early 2020, just before the pandemic.

He stated that the economy had faced many ups and downs, from the great recession to the great lockdown. One moment which was the highlight of the lecture was when he mentioned how scared he was during the recession as to what the future holds. He said the best thing he did was follow his heart as it opened up many opportunities. He even advised not to compare your progress with your friends; everyone's timeline is different, and trust the process and enjoy the journey.When the economy stalls, demand for college typically rises as the unemployed decide to go back to school to improve their job prospects. He stated Covid-19 has shown how technological advancement has geared up, taking the driver's seat and how our timing is pretty accurate for doing an MBA in IT. People need to bridge the gap between the development team and developer and people who can adapt to technology more efficiently. He ended the lecture by answering questions from the audience.

Expert Solution on IOT Security

- Khyati Thakur

An e-talk session by Mr. Akashdeep Singh Makkar was organized. The convener for the session was Dr. Hemraj Lamkuche. Mr. Akashdeep Singh Makkar provided his insights on the topic "IOT Security". The agenda for the e-talk was IOT Security, fundamentals of security, IOT security architecture, challenges in IOT security, best IOT security technologies, IOT breaches, top IOT security tools, intent and need for security testing, top 10 open-source security testing tools for IOT web application, analyzing various IOT security vulnerabilities, Security solution for CIA and various IOT attacks and its countermeasures.

The e- talk started by sharing an amazing line which was "Social Engineering bypasses all technologies including firewalls".
Mr. Akashdeep Singh Makkar explained about the IOT communication. He explained how IOT devices send data via gateway, from where the internet sends it to the user/device controller and the data gets stored on the cloud storage server as well. He further explained the IOT security and said that "Human Stupidity, that's why Hackers always win". He added that IOT security comprises protecting the internet-enabled devices that connect on wireless networks. He also added that the data collected from IOT sensors contain a large amount of private information and needs to be preserved. He also added that privacy and security need attention when it comes to IOT security.The speaker further explained the fundamentals of security and the 5 major components of IOT. He also explained the security architecture. He said that "With the rise in popularity of IOT devices, there will be a rise in IOT app development as well as security challenges and issues". He also explained the strategic security management and explained that 'Asset + Threat + Vulnerability = Risk'. The e-talk ended with a Question-and-Answer session wherein the speaker answered all the questions of the students.

ARCHIVES FROM PAST

Web and Media Committee is highly psyched to rollout a new novel section – 'Achieves from past'. Hereafter, we are going to bring you gold of an article every month from our very own chronicles.

Now, let's relish **Self Defense workshop**

It is rightly said "Self-Defence is not just a set of techniques; it's a state of mind, and it begins with the belief that you are worthy defending", to this end self-defence session was organized on 14th August in order to help the students understand the various nuances and techniques that will surely come to their aid if the situation calls for it.

The session served meant to educate students and prepare them physically and psychologically to protect themselves whenever they are caught up in a physical confrontation. The session was conducted by the SCIT Institutional Social Responsibility Team (ISR) in collaboration with SIU and saw the active participation of 37 students. The session was conducted under the watchful eye of the trainers Sachin, Pooja and Tanya. The topic of instruction revolved around situational based methodological defence tactics, aside from the matter at hand, the instructor made sure to educate the students about the importance of warming up before performing any physical activity and enumerated upon its numerous benefits.

The participants were taught that self-defence is not only preparing yourself for violent situations but it is a practice for meditating and learning about the correlation of the potential strength existing in our physical body and the strength of our inner mind. There was a significant focus on both the spiritual and physical relation of defence and what it truly meant to protect yourself. A major message the session drove home was the fact that people could be free and confident to engage with our individuals when they know the basic defence strategies.

The session sought to instil in students the value of hard-work, dedications and perseverance. All in all, the session will surely prove useful for all the attendees as they can certainly apply the skills they learned here any where they go.

STAR ALUMNI

MS. REHANA MD

–Sahana S

We are delighted to announce that our Star Alumni is Ms. Rehana Md this month. She is currently working at Ernst and Young as a Senior Consultant. Ms. Rehana pursued her bachelor's degree in Electrical and Electronics Engineering from Chaitanya Bharathi Institute of Technology. She started working as a Programmer Analyst in Cognizant Technology Solutions. She joined SCIT in 2013 in MBA IT Business Management and specialized in Information Security Management. She was an active student and was part of the SSR and Drishtikon student committees.

She was able to bag an internship as a Business Analyst Intern at ITC PSPD. Ms. Rehana was paced at Wipro Technologies, where she started as a Presales Consultant – Senior Executive and was soon promoted as an Assistant Manager and then a Senior Consultant. She is a cyber security professional whose focus is enterprise security architecture and operationalizing the industry's best practices and frameworks. She is certified in CISM, CRISC, CISA, and ISO 27001 ISMS LA. Ms. Rehana has also been an active member of ISACA since 2014. She is passionate about technologies that make businesses more successful. With her background and expertise, she helps bridge the communication between technology and business solutions to ensure successful outcomes. SCIT is honored to name Ms. Rehana Md as the Star Alumni of January 2022.

Star Alumni

Ms. Rehana Md

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