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The Infosys TIMES

Department of Information Systems

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11-7-2022

### The Infosys TIMES, Vol. 7, No. 1

Collen

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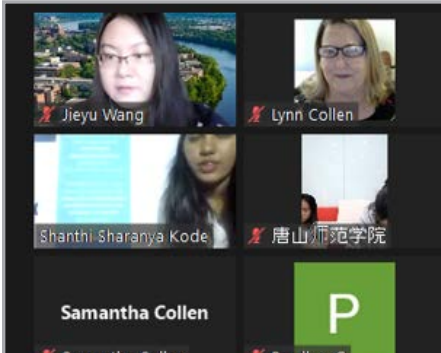


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## Cyber Security Awareness Week



Dr. Lynn Collen, Chair of the IS department, welcomed local, national and international participants to the St. Cloud State University (SCSU) Herberger Business School (HBS) Cyber Security Awareness Week (CSAW)

events. The HBS's IS department in collaboration with SCSU student organizations proudly shared opportunities for students to participate in cybersecurity games, security research, networking with S.T.E.M. professionals and sharing information regarding S.T.E.M. careers.

Activities for fall semester events included cyber security games, hands-on cyber security demonstrations, a tour of the newly funded Digital Forensics Lab, an expanded day of student research presentations, and a diverse offering of individual presentations via the IT Professional Leaders Webinar. Two students from Tangshan Normal University in Beijing China joined in the game events. SCSU IS department faculty Dr. Jieyu Wang is working with a Tangshan Normal University faculty member to present as part of the S.T.E.M. Women Leader's webinar for the spring '22 CSAW in April.

CSAW week culminated on October 28th with an eight member roster of industry professionals presenting a four hour webinar on Today's Technology Opportunities for Women Leaders. Dr. Collen extended a virtual welcome to presenters and attendees and thanked co-director Carol Kaszynski, for her work in organizing the webinar event and for moderating the live and virtual webinar question and answer sessions.

Presenters this semester included: Jeannine Clancy, Environment Services Metropolitan Council engineers who presented on "Building the Future of Women". She discussed her career journey in the public sector engineering and capital planning field. Rocio Durkot shared her experiences as an immigrant, student and young S.T.E.M. career employee. Rocio's "Navigating Early Career in a Male Dominated

Field as an Immigrant" sparked student and faculty questions regarding best ways to support people with the necessary skills and knowledge to succeed with confidence. Annika Bankston's "Before you know it you're running the place..." segment gave the audience a fun and insightful glimpse at the power of persistence, networks and being involved in varied projects. Kendis Scharenbroich of Pro-West expanded on the theme "Reimagine Your Role". Transitioning yourself into a leadership position. Renee Willette of US Water Alliance "Transforming people and place through infrastructure investments" took the audience thru her journey of working on different types of projects and project sites. Abbie Browen of AE2S shared "The Importance of Humility" the value of asking questions, searching for answers, and generally gaining insight from others. Abbie offered examples from her career and drew the audience into her world. Tracy Ekola, of Brown and Caldwell offered three P's for students in her "Women in STEM – Passion, Persistence and Proficiency" presentation. She took the audience through her journey to find her passion. Ms. Ekola highlighted the power of persistence and the value of gaining proficiency in addressing problems and generating solutions.

Collen, Wang, and Kaszynski look forward to the upcoming CSAW events to be held at St. Cloud State University in April 2022.



Shanthi Sharanya, Kode

(CSAW) events every semester to help increase the knowledge and bring awareness to the importance of cybersecurity in our lives. I helped organize the games event along with Dr. Lynn Collen and Dr. Jieyu Wang.

I am Shanthi Sharanya, Kode. I am currently an international graduate student working on my masters in Information Assurance (IA). I am serving as President for the Women in Cyber Security (WiCyS) organization which brings together women in cybersecurity from academia, research and industry to share knowledge, experience, networking and mentoring. The WiCyS organization helps conduct the Cyber Security Awareness Week

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## Anderson Trucking Field Visit

Students in the IS 340 – Management Information Systems Honors class taught by Dr. Mark Schmidt went on a field trip to Anderson Trucking. Members of the Information Systems (IS) Club, Cybersecurity and Information Assurance (CSIA) Club and Women in Cybersecurity (WicyS) Club were also invited to this event. The visit was an opportunity to explore careers at Anderson Trucking and how IT has highly influenced their business.

The event mainly focused on the advantages of having an IT department within Anderson Trucking and how it has positively impacted the company. Manager from the marketing, shipping, and logistics teams gave us a presentation of each of their departments and explained how IT has helped them.

Over the pandemic when the company had to move to a work from home environment, their IT department helped them make sure the move was made efficiently for all the employees. Even for the truckers who are constantly on the move and are home only during the weekends, they made it easier for their families to be able to contact the drivers by installing video calling devices in their trucks.

This visit was made during a difficult time in shipping where the Los Angeles port was overwhelmed with ships full of containers waiting to dock at the port, and shipping items were delayed. Anderson



Trucking explained how they had overcome the situation by closely keeping in touch with their suppliers and truckers who were situated on the western side of USA. With their improved IT technologies, they were able to situate all the truckers to ports on the southern side of USA to the ports of Houston, Virginia, and Miami. This way all their ships that were stuck on the port of Los Angeles moved to Houston, Virginia, and Miami respectively. This saved thousands of dollars that might have gone to waste if the trucks were left empty or if there were delays in deliveries to their customers.

Previously a human had to manually decide the trips of each truck to make sure when a truck driver is on duty that their trucks are always kept full whether going to or from a location. Now all this work is being done by their IT systems automatically, and it has been a huge asset to the company.

Overall, this event has broadened my knowledge of how IT can be of huge asset to a company and its business environment.

## The Values of Data Analytic Skills



Kenneth Amoah Jnr

I am Kenneth Amoah Jnr, a graduate student in the MSIA program here at SCSU. I currently am a Graduate Assistant for the Analytics and Institutional Research (AIR) department. My previous experience as a GA in the IS department helped me gain confidence to approach all tasks assigned to me in my new GA role in AIR. I get to put into practice some of the theories I learned in certain courses about data privacy and security, as my role consists of interacting with data about proponents of the university including students, faculty, courses, departments and colleges.

Theory about data privacy and security such as the Family Educational Rights and Privacy Act (FERPA), Health Insurance Portability and Accountability Act (HIPAA) and California Consumer Privacy Act (CCPA) among others, have been taught by my instructors in courses like Secure Electronic Commerce and Enterprise Architecture. I am glad I took such classes as my current role holds the FERPA in high esteem as utmost good faith in dealing with some personal identifiable information of individuals is very crucial to a Data Analyst. Another interesting fact about Data Analysts is how they view all data as important, and how they “play around” with that data and turn it into useful information for decision making at the management level.

## Information Systems Club: Meeting with CentraCare’s IT Department



Amritha Suresh

I am Amritha Suresh, and I am an undergraduate international student majoring in Information Systems (IS). I am currently in my senior year looking to graduate in May 2022, and I am also the current president of the IS Club.

The IS Club hosted CentraCare’s IT department as part of the club’s speaker presentations, on Wednesday, November 10th.



Nicholas Jungles

The event was hosted for the students majoring in IT related majors to gain more knowledge on the workings of IT departments in a medical field. This event gave the students an opportunity to explore CentraCare’s IT department. We had 20 students attend the event. Nicholas Jungles from CentraCare’s HR department and Luke Rieland, Manager of IS Ancillary Applications at

CentraCare presented. Nicholas gave a brief introduction of CentraCare and jobs available with them. Luke later took over the presentation giving the students a brief introduction into his department. He introduced the students to his team’s application Electronic Health Recorder (EHR) system. He gave the students insights about using a combination of software programs and languages such as Power BI, SQL, C++, and Java to create such power applications like the EHR. This event broadened by perspective on the potentials of the IT department in a medical field.

My future goal is to be pursuing a master’s degree in Data Sciences, and this event helped me understand that to be able to apply for a master’s degree in Data Sciences I will require more skills in Power BI, R, SAS and MATLAB.



## Graduate Assistant for Digital Forensic Lab



Jude Omo-Ojugo

My name is Jude Omo-Ojugo, and I am passionately pursuing a master's degree in information assurance (IA). As a Graduate Assistant for the department of Information Systems, I currently work in the digital forensics lab. Having my first degree in Electrical/Electronic Engineering, the experience in the Engineering field gave me a 'soft-landing' in handling the hardware aspect of digital forensics. I consider my experience working as a GA a privilege because it has afforded me the opportunity of working with other colleagues, working with sophisticated tools, giving presentations, gaining understanding of the work environment of the United States, getting more engaged in on-campus activities, and improving my leadership skills.

During this semester's Cyber Security Awareness Week, I had the opportunity of conducting a tour in the digital forensics' lab. During the tour, I provided a demo on the use of the Tableau write-blocker as a best practice in forensic imaging. The digital forensics lab features powerful forensic tools like the Passware kit forensics, Access Data Forensic ToolKit (FTK 7.4), mobile device forensic toolkit and more. Students were able to learn about the digital forensic tools that can be used to recover lost passwords, lost or deleted documents or pictures and other important files.

The internet is becoming fast-paced and almost too fast to catch. This makes life better for everyone but at a cost if security measures are not put in place. The advancement of internet technology increases the attack surfaces on networks. It is imperative to have awareness tips at your fingertips. During the awareness week, participants were equipped with the relevant tips to ensuring their devices were in the 'secure state' when surfing the internet.

## Data Analytics Certificates



Amadou Thiam

My Name is Amadou Thiam, and I am currently taking IS 534 Introduction to Data Analytics for my master's certificate in Data Analytics.

I graduated from SCSU in BCIS (Business Computer Information Systems AKA IS right now). I work as a Senior Systems and Financial Analyst for a local financial debt management company.

I have decided to come back to school to further my education and learn Data Analytics, and I have not been disappointed. In a short period of time I have learned tremendous skills in modeling and decision analysis, linear programming, regression analysis, data mining and solving problems using Solver in Excel spreadsheet.

Data mining enabled me to use different techniques to do predictions by using regression analysis, discriminant analysis, K-Nearest Neighbor, logistic analysis, neural networks, Naïve Bayes and different classification and partitioning data. I have gained confidence, skills and now I am ready to use my skills to further my reporting skills at work, and bring me closer to my dream of one day working and perhaps taking over our data analytics department.



Gavin Dutcher

My name is Gavin Dutcher, and I am currently pursuing my Master of Science in Information Assurance. I previously did my undergraduate in Software Engineering, but decided to enter the MSIA program because of my passion for information security technologies. Throughout the program I have learned many valuable skills such as project management, database security, Oracle PL/SQL, and cryptographic and security protocols. I also learned how to use tools for digital forensics such as OSForensics, Autopsy, and Forensic Toolkit (FTK) Imager. The MSIA program has been an amazing experience so far and I have gained valuable knowledge for my career from it.



Nazish Kanwal

My name is Nazish Kanwal, and I am an international student pursuing my master's degree in Information Assurance.

I already hold a master's degree in Business Management with a major in finance, and have professional work experience of around 5 years for the Government Office of Dubai (United Arab Emirates).

I am currently working as a Graduate Assistant in the Center for International Studies where I am organizing and hosting the International Huskies Next Steps through various channels to guide and support our new incoming international new students.

I have recently participated in a study abroad event which was organized by the Center for International Studies department, with the aim to provide a platform to all those students who want to complete a few of their courses or a whole semester or two abroad in a different country.

It's a great opportunity for us as students to get a different educational experience and learn skills which are available across different countries.

A good number of students attended the event from different majors for both graduate and undergraduate programs, and I found it so helpful and I am considering taking one of my semesters of Information Assurance in England, so I can have a more diverse educational experience in my specific field.



## Congratulations! Academic Excellence Awardees for Spring 2021

### Information Systems GPA 4.0

Abdifatah Ali  
Omar Hassan  
Kamana K C  
Prerna Kumari  
Diya Shrestha  
Michael Sorensen

### Information Systems GPA 3.5 or above

Mohamed Abdi  
Pravesh Acharya  
Folly Adamazan Teko  
Himal Adhikari  
Taha Hameed Ahmed  
Abdulsalam Alabbad  
Ange Alvarez  
Youssef Aly  
Muhammad Azeem  
Anish Bade  
Jingyi Bai  
Abdi Bare  
Dillon Bienusa  
Kennedy Chukwudile  
Arya Dahal  
Pallavi Dahal  
Connor Denny  
Junu Dhakal  
Bivor Gautam  
Jagat Golay  
Emily Hacker  
Ahmed Hamid  
Basmh Hani

Wesley Hendrickson  
Bunnawin Heng  
Tyler Hinnenkamp  
Madeeha Javed  
Ritika K C  
Yelani Kariyawasam  
Kushal Karki  
Shyam Katuwal  
Abdikadir Kedne  
Sudha Khadgi  
Thierry Koama  
Seohui Kwak  
Nathan Maack  
Tan Nguyen  
Akshyata Pal  
Jebita Pande  
Susan Pandit  
Chan Jin Park  
Hemal Patel  
Naisha Patel  
Anisha Pathak  
Kai-Mica Peterson  
Vijay Raut  
Andrew Reed  
Joseph Rickard  
Thomas Rocco

Phoebe Jessica Sam  
Nicholas Scholl  
Muhammad Farhan  
Shahid  
Shayan Shaikh  
Kristina Sharma  
Anup Sharma  
Ipran Shrestha  
Anjila Sitaula  
Phoutharoub  
Souriyavongsa  
Amritha Suresh  
Hasnain Tahir  
Riwaz Thulung  
Muhammad Umer  
Bee Vang  
Dylan Wahlstrom  
Koichiro Watari  
Ryuichiro Watari  
Ben Weidner  
Gishan Wijesinghe  
Arachchillage  
Hero Yang

### Information Assurance GPA 4.0\*

Abdulrahman Alnajrani  
Divya Bellamkonda  
Yasmin Fatima  
Pankaj Jairu  
Durga Venkata  
Shalini Mahashreshthy  
Vishweshwar  
Joynab Mohammed  
Jon Nordos  
Mackenzie Pendergrass  
Vasanta Pusuluri  
Rediet Tsemru

### Information Assurance GPA 3.75 or above\*

Ali Al Ghazwi  
Hassan Al Qasim  
Koku Aziano  
Shei Sze Bong  
Yan Sheng Bong  
Enow-Nkongho Ehabe  
Musa Gassama  
Yen-Ting Guo  
Abdul Khan  
Seeta Kumari  
Pasang Lama Sherpa  
Anna Ndri  
Ayodeji Olaosebikan  
Jude Omo Ojugo  
Sharky Pare  
Sai Siri Valmiki



## Farewell! Graduates for Fall 2021

### Information System

Hassen Mohamed Abdi  
Abdullah Ali M Alabbad  
Abdulsalam Ali Alabbad  
Abdi Mohamed Bare  
Ivan Bayingana  
Sandesh Bhusal  
Axumawit Abebe Brhane  
Alagie Ceesay  
David Gunder Dale  
Connor Blake Denny  
Manish Ghimire  
Ahmed Kalil Hamid  
Omar Mohamed Hassan  
Tyler Leigh Hinnenkamp  
Hamza Junaid

Shyam B Katuwal  
Abdikadir Adow Kedne  
Sumitra Khadka  
Ahmed Sharur Noor  
Muhumed Mohamed Omar  
Anju Panday  
Susan Pandit  
Hemalkumar Patel  
Sandesh Paudel  
Ankit Raj Poudel  
Zidan Shrestha  
Kevin Vang  
Ali Ahmed Vohra  
Maximilian J Weitz  
Gishan Wijesinghe Arachchillage

### Information Assurance

Fawaz A Alabdulhadi  
Sapana Bista  
Mickias Kassahun Checkole  
Yasmin Fatima  
Tai Gao  
Yen-Ting Guo  
Deepika K C  
Abdallah Omar Abdelfattah  
Abdelwahab  
Jon Thomas Nordos  
Charles Owusu

## Study Abroad for 2 Weeks & Earn 6 Credits!



IS faculty member Dr. Mark Schmidt and IS Office Manager Kelley Hennen, will be taking a group of 19 students to Iceland for 10 days in May 2022. Students will earn 6 credits during the program. With advisor approval, these electives will count as major electives. Another excellent study abroad opportunity will be in May 2024 when Dr. Schmidt and Dr. Changsoo Sohn will be taking a group of approximately 30 students to Australia.

## Have an interesting update/article/experience/news/idea/event to share?

We are always seeking contents and suggestions for our newsletters. If you are interested to submit a writeup not exceeding 250 words with relevant high resolution image, please feel free to contact the IS Department office or send an e-mail at [is@stcloudstate.edu](mailto:is@stcloudstate.edu)



Published By:  
Department of Information Systems  
CH 443 | (320) 308-2174  
Herberger Business School  
St. Cloud State University

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