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THE INFOSYS TIMES

DEPARTMENT OF INFORMATION SYSTEMS ST. CLOUD STATE UNIVERSITY

SCSU students participated in a tour of 3M's Innovation Center in Maplewood, MN



3M Innovation Tour Participants

On Friday, September 20th more than 35 students from St. Cloud State University technology related programs (Information Systems, Cybersecurity, Computer Science and Information Assurance) visited 3M's Innovation Center. The Innovation Center on the Maplewood, MN campus shows how science and technology can make the world a safer and faster place, and how collaboration results in meaningful innovation, solving real world problems. The results can become amazing and awe-inspiring, whether through the development of a new adhesive that holds an aircraft fuselage together or a new form of Post-It Note that lasts longer. That is why 3M opened its latest Innovation Center, to further develop great products for businesses or consumers. The Center serves as a hub for 3M to introduce business and government decision and policy makers to its innovative solutions for markets ranging from energy and healthcare, to manufacturing, transportation, defense, and safety. The students were able to tour the Innovation Center and hear discussions related to internship opportunities at 3M. They also heard from SCSU alumni like Terry Kisner, Nicole Coady and Katie DeCabooter on what they could expect if they work at 3M in an IT related role. Several of the SCSU students who attended the event were offered internships for the summer.

IS Students land real-world experience with Blattner Energy



Students in the IS 460 class pose for a picture at Blattner Energy.

This summer students in the Information Systems Project Management class (IS 460) landed an opportunity to step out of the classroom and receive firsthand real-world experience and work on a project with Blattner Energy in Avon. The project included creating request for proposals and suggesting a vendor for an internal IT project. The class was able make three on site visits to Blattner. They were able to meet with IT Director Jason Abfalter, IT Manager Paul Sand, IT Delivery Lead Shareen Stommes and student intern Lujana Thapa. The team worked on the vendor selection process for one of their ongoing projects with students actively participating in the process. The students not only got a chance to learn the process, but also experience it. "I had a very good experience collaborating with Blattner and enjoyed learning the steps of how a project's objective can be achieved, big or small through agile methodologies," said Naif Alhajri, an IT student. "As the leader in renewable energy construction, Blattner Energy offers rewarding career opportunities in wind energy and solar energy." said Sand. "We have a variety of positions that college students can work in after graduating, too, from field construction management to corporate services like finance, human resources and IT. At Blattner, we really believe in the power of our people."

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Inside	SCSU Students 3M Innovation Center	1	New Faculty	3	Student Faculty Staff Celebration	6
this	IS Students Blattner Energy	1	Alumni Updates	4	IS Outreach Through Social Media	7
	SAP Terp10 Certification	2	Club Updates	4	Academic Excellence Awardees	8
edition	Cybersecurity Capture the Flag	2	INFOSYS Diaries	5	Farewell Graduates	8
	Meet the Faculty	3				

SAP Terp10 Certification SAP Education Services



IS student, Tao Chang

St. Cloud State University has been offering SAP recognition (https://www.stcloudstate.edu/is/student/sapaward.aspx) and a SAP TERP10 prep course for completing the SAP Associate Certification (TERP10 certification) in conjunction with the SAP University Alliance. SAP TERP10 certification is the most prestigious certification for ERP (Enterprise Resource Planning) integration. This TERP10 certification focuses on the fundamental knowledge required for an SAP consultant to configure and implement SAP solutions. SAP (https://www.sap.com/index.html) includes ERP Basics, SAP ERP, NetWeaver, Financial Accounting, Management Accounting, Sales Order Management, Planning, Manufacturing, Project System and Human Capital Management. SAP's globally recognized certifications demonstrate and exemplify an individual's ability on the ERP software. Since last summer SCSU has been offering the TERP10 prep class focusing on completing the SAP® Certified Associate certification, a globally recognized certification that is used currently by 3M, Citrix, Coca-Cola Co., Deloitte & Touche, DuPont, Cargill, Target, General Motors, United Health, H.B. Fuller, and many others.

IS student, Tao Chang, passed the SAP TERP10 certification exam this summer. Here's a few words he had to share.

"I'm currently an MSIA student. This past summer of 2019, I took the class for SAP TERP10. The class was a month long, and I would say learning about SAP business integration is very interesting because you can see how a business operates. I worked very hard in studying for the exam. I read the book four times and took notes on every chapter. I took the class very seriously because I really liked the topics taught in class. The professor was very knowledgeable about the topics. I was excited when I saw my exam and scored above the passing grade. The exam itself was not that difficult, however, what I think is difficult for some students was that there were questions with multiple answers. Not just that, you have to get all multiple answers right in order to get the question right. After I'm done with the MSIA program I hope to apply the knowledge I gain through the SAP class and my courses to improve my future career."

Cybersecurity Capture the Flag (CTF) Competition



Our IS/MSIA Student Ku Yang and teammate Chow (Metro State) took first place in the Cybersecurity Capture the flag (CTF) competition. This event was hosted by Black in Technology Conferences (BITCON) and sponsored by McAfee. The challenge was to defend against Cybersecurity Threats. They also took 2nd place in the coding event attended by Google, Microsoft, and McAfee senior software developers.

"My name is Ku Yang, and I am currently majoring in Information Assurance (MSIA). My undergraduate degree was Information Systems (IS). In October 2019, I attended a competition in the Twin Cities that was hosted by Black In Technology Conferences (BITCON). During the competition, I was paired with a random partner from a different university, and our challenge was to defend against cybersecurity threats. There were six questions that we had to solve within the time they provided. The competition was "Capture the Flag" and sponsored by McAfee. The competition was not hard because I took some security courses from St. Cloud State University, which help me a lot for this competition. I still remember, the first question was to translate a binary number into words and use that word to decrypt the message. My partner and I won this competition, and this was the best experience I ever had this year. Also, I had a chance to meet new talented people and work with them to reach the goal.

Moreover, the second day of the competition was to develop a web application by using any programming languages. The competition was six hours long, from 10 am to 4 pm. There were five of us on the team, and three of them were from Mankato University along with the two of us from St. Cloud State University. We did not take first place for this competition, but I had a great experience working with a group of people that came from different backgrounds. I had learned so much from these competitions, such as leadership, teamwork, and developing strong communication skills. Also, I was able to meet and connect with some of the top employers from different companies, such as Google, Microsoft, McAfee, and Disney."

Meet the Faculty



Dr. Lynn Collen

New Information Systems department chair, Dr. Lynn Collen, has taught for the Department of Information Systems since January 2000. She brings her wide range of life experiences to the classroom. Recently, she addressed a meeting of the Information Systems club to speak on the importance of soft skills in the corporate setting. Dr. Collen described her experience managing the Electronic Funds Transfer department for a financial institution. Dr. Collen shared about writing and proofing technical documentation for the new system. She described that initially the computer-based system that supported the transfer of money from one bank account to another often required human attention. The greatest area of attention was needed at the remote teller sites. Most frequently, the hardware would require hands on maintenance. PIN and displays needed to be switched out, dispensers would jam, and transactions would not be recorded. Often she would find herself completing field repairs in the late evening or early morning hours. Customers expected 24-hour service, and technicians were expected to identify the issue and quickly find the solution for the transaction failure. In addition, Dr. Collen stated much of her time involved employee development and training for retailers. Training at the point-of-sale location was recognized as a major contributing variable to providing a positive customer transaction experience. On-call coverage, staff training, and supervising customer experiences at the ATMs and EFT@ POS was just one area of her department. Dr. Collen emphasized that having strong critical thinking, problem solving abilities and a willingness to learn is important for team members. Often individuals are nervous or intimidated by technology. She stated that possessing "soft" skills is invaluable for working with people when they are tired and stressed. "A take charge, calm presence often helps to get the job done." Dr. Collen looks forward to future presentations and working with students and employers to promote the Herberger Business School and the Information Systems department.

New Faculty



Hazem Farra joined the Department of Information Systems in the Fall of 2019. He previously worked as an adjunct instructor at St. Cloud State University. Furthermore, he worked as a desktop and web applications developer and solution architect in the debt buying industry.

Hazem Farra, an alumnus of St Cloud State University, graduated from Herberger Business School with an MS degree in Information Assurance in 2018. He received a BS degree in Business Computer Information Systems from SCSU, as well, in 2003. Hazem is ready to start his Ph.D. in Information Systems at Nova Southwestern University, Florida, in the Fall 2019. Besides teaching IT Infrastructure (IS-451) at SCSU during Spring 2019, Hazem is employed as a Software Engineer at a local St. Cloud company and works with various technologies such as C#, VB.NET, MVC, jQuery, JavaScript, and SQL. As a student, Hazem had the opportunity to work in different SCSU IT departments since the year 2000. He worked with the infrastructure team, wiring Miller Center and other department's network cabling systems. Additionally, Hazem worked at the SCSU Helpdesk and developed the Helpdesk's Software Checkout. He later worked with Computing & Technology User Services (CTUS) and completed his practical training as an SCSU Open Computer Labs Assistant Manager. His persistence and self-taught web development skills helped him land a position as a Web Master, Applications, and Database developer in Dubai, UAE. While pursuing his graduate degree, Hazem had the opportunity to work as a graduate assistant for various IS courses such as IS 340, IS 250, IS 356, IS 445, and MBA 616. Additionally, he worked for Minnstate IMS - D2L Brightspace Instructional Technology local office, as a Program Assistant. In 2017, Hazem participated in various events related to technology and security such as Midwest Instruction and Computing Symposium (MICS), the Cybersecurity Annual Summit, several symposiums, and cybersecurity awareness events. He collaborated with professors on topics related to Information Security and published a research paper on "Security Concerns of Registers in Linux Hosts: Using Debug to Find Memory Addresses of Sensitive Data." Hazem considers awareness to be the first and most important step in the process of securing the global Information System. His cybersecurity focus area is related to social engineering, web applications vulnerability assessment, and various system logs analysis.

New Faculty



Dr. Jieyu Wang joined the Department of Information Systems in the fall of 2019. She graduated from the University of Maryland, Baltimore County with a Ph.D. in Human-Centered Computing in 2018. She had been the visiting research assistant professor at the University of North Carolina, Charlotte before she came to St.

Dr. Jieyu Wang

Cloud State University. Her research areas include human computer interaction and information systems. She has been working on user information seeking behavior, cyber security, and virtual/augmented reality. She teaches IS 340 Management Information Systems, IS 356 Systems Analysis and Design, IS 443 Database Design, Implementation and

Administration, and IS 458 IS Innovation and New Technologies.

Alumni Updates



Krishna Lekha

My name is Krishna Lekha, and my master's journey at St. Cloud State University started in the summer of 2018. The IS and IA fields has been and will always be evolving to face new challenges. The threats and attacks on sensitive information/data are increasing tremendously in the security field. As an IA graduate, I was able to deep dive into IA Concepts throughout my masters. After

getting an opportunity as an Information Security Audit Intern for the Corporate Audit department in the Union Pacific Railroad (UPRR). I was able to implement my knowledge and get lots of hands-on experience in the field. During my time as an Intern, I was given various tasks such as learning about various attack scenarios, protecting the UPRR data from those attacks using security assessment tools, researching and implementing various security frameworks, resulting in the development of a mindset needed to excel in the world of Information Systems Audit and security. Furthermore, I was able to perform in-depth reviews of application security controls, penetration testing, and source code analysis of internally developed applications.

Overall, this internship has been a great learning experience and provided me a launching pad in the field of Information Security. Moreover, the knowledge gained during my masters made my work a lot easier and made me understand how it was being implemented in the real world and what different kinds of possibilities are out there.

Club Updates

IS Club



CSIA booth at the SCSU Sidestreet event

The IS Club had a lot of growth this semester and got to experience great speakers. We had three major events this semester. Our first exciting speaker was Tom Rieger from Open Text who works in Analytics and Artificial Intelligence. He has visited SCSU before to speak, so we were thrilled when he agreed to come again for new members. The major take away from his discussion is that there are hundreds of opportunities out there for IS majors. We just need to go out and find the right one.

Next, we had the Chair of the IS department, Dr. Lynn Collen, visit the club members. Professor Collen had a dialog with the members to help us narrow down our focus for our goals. Basically she discussed that we are in school for a reason, and that we need to learn from ourselves what our goal after graduation needs to be. It could be landing a job that's interesting and passionate or that we want to learn more by experiencing different aspects of IS. Her advice was to keep asking questions.

Finally, this semester we also had Mark Kroska present. He is an adjunct IS instructor for SCSU and an SCSU alumnus. He has received a computer sciences degree, a business degree, and an MBA in Information Systems. As a student in his class, I love his comparisons between what we are learning and what he has used in the professional world. His discussion for the club was great because members were able to ask him real-world questions and for advice on being prepared for graduation.

Thank you to all the faculty members, professors, speakers, our club advisor, and our club members who helped create a great semester. The IS club will continue to grow with your support.



Nupur Verma, MSIA Alumna Spring 2019, works at Allina Health as an Associate Security Analyst. She was our guest speaker on November 4th to present about Medical Device Security and her experiences working there.Overall, this internship has been a great learning experience and provided me a launching pad in the field of Information Security. Moreover, the knowledge gained

Nupur Verma

during my masters made my work a lot easier and made me understand how it was being implemented in the real world and what different kinds of possibilities are out there.

InfoSys Diaries



Steven Harrington

My name is Steven Harrington, and I'm an Information Systems (IS) major that will be graduating in the Spring of 2020. When I first came to St. Cloud State University, I wasn't completely sure what I wanted to do with my life. Many majors seemed like a good fit for me and it was hard to make a final decision. However,

Steven Harrington

when I read about the IS major, I knew it would be a good fit for me. I've always had a natural fascination with technology, and I knew that I wanted to work within a business setting. For me, the IS major just made sense. Now that I'm in my senior year, I can confidently say that it was the best choice I could have made. IS is a great major for anyone that wants to be in an industry that is always evolving and always presenting new challenges. As for job security, the IS field is excellent for those who value financial stability. I've already had the pleasure of interviewing with several great companies that need more people in their technology departments. Among these companies, I received a fulltime offer as a systems developer that I chose to accept. It's hard to put a price tag on this peace of mind. At my current job as a waiter, there are many people that have graduated with other degrees that have very little hope of ever getting a job in their career. With the IS major, you can apply to jobs everywhere with confidence that your knowledge and experience are valuable and in demand. All in all, I'm very satisfied with the major that I chose, and I can't imagine being in any other field. The breadth of roles you are qualified to do as an IS major are truly mind blowing, and there is almost no ceiling to where you can go in the business world. I personally recommend the IS major to anyone that is undecided about their career and would highly recommend getting that degree at St. Cloud State University.



Nalindrani Malimage, MSIA Student

It is great to explore the unknown. We are living in a period of adversity where foreigners are largely being restricted from seeking employment in the U.S. As an international student, I did not know anyone in the U.S who could help me find a job. Also, I did not want to use third party companies to land a job as many

Nalindrani Malimage

graduates would do. This is because third party companies are getting more regulated by USCIS and resorting to third party companies gives you less control over the career.

Amidst these challenges, LinkedIn and speaking to strangers had helped me tremendously. Following is my story on how I landed a great job even before graduation.

Truth to be told, integration is never easy. It's even far more complex striving for coexistence in a country that is largely diverse, perhaps the most diverse country in the entire world. What helped me was making an effort to network with people outside the school environment. While living with people from your own culture is comfortable and less conflicting, learning to live with different cultures in fact helps us grow. As a result of networking, I was offered a data scientist position at Shedwool through LinkedIn. This is the second job I found through LinkedIn. I have been connected to the CEO at Shedwool on LinkedIn and I recently contacted him regarding opportunities. He replied back saying "I would love to have you on board". After that we discussed more about the job offer over the phone.

As I am following "Certificate in Data Analytics" at SCSU, it had opened me into many opportunities. In addition, MS in Information Assurance program at SCSU had given me an overall understanding of IT that had improved my numerical flexibility immensely. When I asked the CEO of Shedwool if I can work as a software engineering intern, he had a look at my resume and said, there are more opportunities for data scientists which is a growing segment in the industry at the moment. It made sense when looking at the job market trends. I have not struggled in seeking employment in the U.S as my network had grown thankfully to LinkedIn.

The next I would like to write about is landing jobs through LinkedIn. I have over 10,000 followers on LinkedIn. While the initial 1000 connections on my profile were added by me mostly, the rest started growing organically as I was engaging more in the platform. I discontinued using mainstream social media such as Facebook to focus mainly on LinkedIn. LinkedIn had helped me find a distributor location for a company, find jobs, to be invited for a radio talk show in MN and many more. It's interesting to learn how much LinkedIn can help, especially if you are a foreign student who hardly knows any professionals in the industry. LinkedIn is in fact a problem-solving platform to me.



Community Volunteering Protect Minnesota volunteers with the congresswoman Betty McCollum

As I don't have any experience in IT, finding IT related positions had been a challenge. My efforts to integrate with different cultures and understand them, has helped me immensely. Integration is not easy, but thinking about the reason why we cross oceans to start all over again is to try and achieve something great. I made an effort to integrate with different cultures while appreciating my own cultural values. Sociology defines culture as something that's learned. There's no reason as to why one should stick to their own culture at the expense of one's own growth. Culture is a comfort zone, and it is necessary to step out of it to experience growth.

InfoSys Diaries cont.



Saffron Jensen

Saffron Jensen is the president of the IS Club and recently got an internship at Medtronic. She talks about her process and achievements. "Every professor and faculty member in HBS recommends students to participate in an internship. So I listened to their advice and started researching the

Saffron Jensen

processes. I attended the career fair as a freshman and networked with a recruiter who became a mentor to me. I had no experience or skills that could land me a position then, but he said that if I joined clubs, networked, and volunteered, I would learn the professional skills I would need to have a competitive advantage.

After all this knowledge was shared with me, I started cultivating my skills so when I applied, I would be ready. The best decision was joining the Information Systems Club and Delta Sigma Pi (DSP).

DSP is a co-ed professional business fraternity that helped me learn the soft-skills employers wanted, communication, networking, and how to act as a professional. I was able to learn interview skills as well as public speaking. DSP allows students to learn the necessary skills outside of the classroom. By joining student organizations like IS Club, I learned leadership and responsibility. I had just stepped into the role as president at the start of the semester when interviewing for my internship. And in that short time, I had already gained experiences and stories that were perfect responses to interview questions.

Besides student organizations, I was also able to prepare for the interview process by volunteering for events and finding a great job on campus. When volunteering for campus events, you have a different experience because you see all the work done behind the scenes to ensure its success. As a volunteer, you also get joy in knowing your small effort was a part of that success. Finally, the last task I was able to do to prepare for the interview process was work. I have been a student worker for the Dean of HBS for almost two years now, and it has been an eye-opening experience. Working on campus taught me how to communicate with faculty and students. I worked other jobs as well to save money, and from those jobs, I learned that I like working in an office. In conclusion, turning in your application and being on time for the internship interview is half the battle. The Career Center and Handshake can help with that. The other half is how you spend your time preparing beforehand. It has been a 3-year process of preparation that has helped me reach this exciting opportunity at Medtronic."

Student Faculty Staff Celebration Fall 2019

The Student Faculty Staff (SFS) Celebration was held on December 2nd, 2019 in Atwood, Voyageurs North. Over 70 attended including 60+ students. Dr. Lynn Collen, chair of the department, presented an update of the department, announced upcoming activities and opportunities, changes to the curriculum and special achievements.

Dr. Erich Rice presented about the social media engagement. More than 30 students were recognized for their academic excellence and were awarded certificates. Ten IA students and 26 IS students graduating this fall were given recognition and a farewell. At the end, students had the opportunity to ask questions, make comments, provide suggestions, and network.





Information Systems Outreach Through Social Media



The Department of Information Systems has made it a point to increase its social media footprint and has actively been engaging with current and prospective students, in addition to alumni who are currently working in industry. The main efforts have been through two different platforms, Facebook and LinkedIn, with slightly different messaging through each. The focus of the Facebook messaging has included more social events, such as a recent IS Club end of semester outing at a local restaurant, Old Chicago.

Members of the IS Club Board were able to discuss the past semester events and plans for the spring semester with advisor Erich Rice and other IS faculty. The Facebook page has also been used to provide visibility to the program to prospective students both within the United States and abroad. The LinkedIn Group page for the Department of Information Systems is available by invitation only and is meant for both current students who are working towards their degree as well as alumni who have graduated. Membership in the Group



is currently over 160 members and is continuing to grow as more people learn of it. Those who would like to join can search for the Group on LinkedIn and request to join. Benefits include being able to ask questions of alumni related to jobs, areas of study and industry certifications as well as connecting with current students.

Social Media Coordinators:

- Professors Abdullah Abu Hussein, Erich Rice
- Facebook link: https://www.facebook.com/SCSUIS/
- LinkedIn Group link: https://www.linkedin.com/company/scsuinformation-system-department

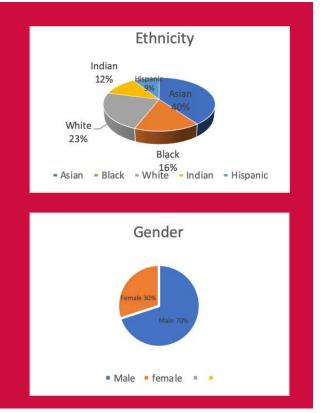
Diversity – IS Department Demographic of the IS & IA Students

3

2

104	Nepal
27	Saudi Arabia
25	India
22	Pakistan
9	Nigeria
7	Burkina Faso
7	Sri Lanka
5	Korea
5	Ivory Coast
5	China
4	Malaysia
3	Bangladesh
3	Ghana

Kazakhstan
Rwanda
Ethiopia
Cameroon
United States
Kenya
Vietnam
Gambia
Great Britain
Egypt
Tanzania



St. Cloud State University / Department of Information Systems



Farewell! Graduates for Fall 2019

IS graduates Fall 2019

Amin Abdulahi Hassan Abdullah Claire Bond Pritika Chhetri Korey Flemming Jacob R. Hanson Jarin Karjala Aayush KC Mahamed H. Mahamud Trinka Maharian Evan Molin Doua Moua Nketty Mwasege Shuab Omar Puskal Pant Utsah Pradhan Shristi Rai Riley Reed Sho Sankaw Pema Chamji Sherpa Akshay Singh Tanzila Tabassum Chinou Vang

IA graduates Fall 2019

Mohammad H Al Hawashim Abdullah Saad A Aldaej Vikas Avancha Vinay Bodepudi Venkata Ayyappa Devarasetty Bijaya Guragain Ozkan Kahveci Sudip Kandel Mustafa Khambatta Thisara Mallawa Arachchige Pavel Momo Tsamo Ravi Kiran Nishtala Elisha Shrestha Ulson Shrestha Emerald Simkhada Shivendran Divakar Tiruchanpalli KrishnaLekha Yeddula Chakrapani

Still haven't set your academic goals? Here's a few to think of!

- Long term: MS, Ph.D.
- 4+1 program
- Masters in Information Assurance Program (MSIA)
- High academic performance, make it to the dean's list
- Get internal/external certificates



Department Naming

1977 - Department of Quantitative Methodsand Information Systems (QMIS)1986 - Business Computer Information Systems (BCIS)2009 -Information Systems (IS)

Congratulations!

Information Systems GPA 4.0

Enzo Bellettini Vera Michael Benjamin Shei Sze Bong Steven Harrington Bishesh Karki Madina Kartkozhakova Sakshi Neupane Jordan Nikula

Information Systems GPA 3.5 or above

Farha Abdulkadir Folly Adamazan Teko Taesig Ahn Abdul Azi Akhtar Hawra Al Hazza Sohail Alam Hussain Alasker Sohaib Ali Khan Miranda Bakke Bikram Baral Rup Basnet Ivan Bayingana Nischal Bhandari Sagar Bhandari Spandan Bhandari Adounola J Bohik Ahmed Bugshan Bandana Byanjankar Tao Chang Devi Chaulagain Arya Dahal Ahana Dhakal Arthur Diaz Jacob Hanson Anushka Hewarathna Md Hannan Hossain Tyler Jenson

Hamza Junaid Kamana K C Almat Kakimov Shyam Katuwal Troy Kluver Prerna Kumai Qiuping Lin Trinka Maharian Brian Mickle Abdiraham Mohamed Ye Myat Anna Ndri Stacy Nelson Ahmed Noor Srijana Pandey Susan Pandit Puskal Pant Sandesh Paudel Grishav Pokharel Hannah Potrykus Prajay Pradhan Shristi Rai Riley Reed Adam Reiter Logan Salner Dorothee Sam

Anuska Joshi

Sho Sankawa Shavan Shaikh Pema Chamji Diya Shrestaha Griwan Shrestha Ipran Shrestha Rannu Shrestha Sandhya Shrestha Uria Shrestha Omar Shukri Suraj Sthapit Anamika Subedi Sandhya Subedi Tanzila Tabassum Hasnain Tahir Alisha Tamang Dipshikha Tamamg Rahul Tamraka Lujana Thapa Rezwanul Turza Makhtal Warsame Maximilian Weitz Gishan Wijesinge Chang Xiong Bivek Yadav Ku Yang

Information Assurance GPA 4.0

Mojolaoluwa Akintaro Corey Burns Nnenna Diana Ikeomumu Jiangyuan Liu Teddy Pare Kyle Rozendaal Ulson Shrestha Paul Voeltz KrishnaLekha Yeddula Chakrapani Sean Zakraisek

Information Assurance GPA 3.75 or above

Bereket Gebremariam Venkata Gudipati Hassan Hirei Anoosha Kathi Pavel Momo Tsamo Upasana Sherchand Emerald Simkhada Suman Thapa

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



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