NDSU DEPARTMENT OF COMPUTER SCIENCE AND OPERATIONS RESEARCH

ANNUAL REPORT
2013–2014

Primary Contact:
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(Brian M. Slator, Department Head)

It is the "Golden Age" of Computer Science at North Dakota State University. We have a University Distinguished Professor (William Perrizo), a Meier Junior Professor (Anne Denton), an NSF Career Award winner (Hyunsook Do), and now a Jefferson Science Fellow (Ken Nygard). This last is a highly prestigious appointment to a year in Washington, DC at the U.S. State Department – only a handful of scientists are chosen each year.

In the past year research grants have come from the National Science Foundation (Anne Denton & Changhui Yan), Honeywell (Ken Magel), Cisco Systems (Juan Li), and the CS department won the highly coveted NDSU Advance/FORWARD Department Equity Award with a $5,000 prize.

A. Department Goals for 2013-14:

   a. Carefully assess the new courses in our curriculum for positive outcomes
   Our new required courses in the undergraduate programs are CSci 213, 313, and 415. All three courses were adjusted this year to provide more software development experiences. We need to continue to work with our tutors and others to ensure that students actually do the assignment work they submit. Unfortunately, a significant fraction (about 25% according to the course instructors) continue to try to avoid the actual work and learn little in these courses. We have gone to a system of new assignments every semester, and a careful check of the Internet to develop assignments whose solutions are not easily retrieved.

   b. Increase the number of faculty participating in externally funded research
   We have increased the number of faculty actively participating in new or continuing research grants from nine last year to eleven this year. We have formed several informal faculty and graduate student research groups involving faculty with grants and some faculty without grants to try to continue to expand this number.

   c. Continue to realign our graduate programs towards more Ph.D. and fewer M.S. students
   We divide our graduate admissions into three groups: the M.S. degrees in Computer Science and in Software Engineering; the Ph.D. degrees in Computer Science and in Software Engineering; and the Master of Software Engineering and Graduate Certificate in Software Engineering. The last group does not involve any research component. The number of students admitted to the first group has declined by seven percent. The number of students admitted to the second group has increased by four percent. The number of students admitted to the third group has increased by nine percent. However, we believe these results fit our goal because the faculty load continues to shift from mentoring M.S. research to mentoring Ph.D. research.

   d. Continue efforts to recruit more female undergraduate major students. Continue to expand our efforts to recruit students from other under-represented groups.
   It is still too early to expect significant results from our continued efforts to use national and regional efforts to increase our students from under-represented

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groups including women. The efforts of Simone Ludwig, one of our tenure-track faculty, and Joan Krush, our academic advisor, to attract female students were noteworthy this year.

B. Accomplishments
      a. Teaching
          i. Changes
             1. CSci 415 was taught for the first time this year;
             2. A graduate course in cloud computing was introduced.
          ii. Progress
             1. A record number of M.S. and Ph.D. graduates occurred this year.;
             2. The M.S.E. program graduated seven students this year;
             3. A joint B.S. degree with Statistics is almost ready to be submitted for University and NDUS approval;
             4. We now are assessing our preliminary and final Ph.D. and M.S. examinations with a survey filled out by every member of each examining committee.
             5. We have completed the transition to our new B.S. and B.A. curricula;
             6. The comprehensive and qualifier examinations in Software Engineering were changed significantly.
          iii. New Initiatives
             1. We started to develop an M.S. in Data Analytics (Big Data) with the Statistics Department;
             2. We formed faculty-graduate student research groups involving faculty with grants and faculty without current grants.

Research/Scholarly /Creative Activities

The Department of Computer Science carried over fourteen research grants awarded to seven faculty for a total of $1,236,092. In the last year, nine new awards were made to seven faculty for $922,415. Both are significant increases over the previous year resulting in a near doubling of external funding in just one year.

The sixteen active member of the Department published 77 refereed publications for an average of 4.8 per faculty member. Fifteen of the sixteen faculty published three or more times.

Peer Reviewed Publications (published or accepted)	77
National or International Invited Presentations	29
Juried presentations/performances/exhibitions	0
Research grants and Contracts	$2,158,507

Service/Outreach/Extension
Each tenured faculty member serves on committees for the department, college, and university. Tenure-track faculty are encouraged to pursue research in preference to service to the institution. The sixteen faculty have 56 department committee memberships, nine college committee members, and 12 university committee memberships. Faculty performed 148 instances of service to the profession (conference organizing, editorial or program committees, publication refereeing, or grant refereeing).

C. Department/Unit/College Goals and Priorities for the Coming Year
   a. Submit the joint B.S. degree with Statistics for University and NDUS approval;
   b. Complete development of a Data Analytics (Big Data) M.S. degree jointly with the Department of Statistics;
   c. Align our undergraduate assessment efforts with the CULE requirements of the University Assessment Committee;
   d. Continue efforts to increase the number of faculty participating in externally funded research
   e. Continue to realign our graduate programs towards more Ph.D. and fewer M.S. admissions;
   f. Continue and expand our efforts to recruit undergraduate students from under-represented groups.

Appendices

The following pages give supporting information prepared by the Department staff for the Executive Summary given on the preceeding pages.

Faculty, Lecturers and Special Appointments Profiles

> **Dr. Rui Dai, Assistant Professor**
> **PhD, Georgia Institute of Technology - 2011**

Dr. Dai joined the faculty in the Fall of 2012. She teaches courses in operating systems. Dr. Dai research interests are wlireless multimedia sensor networks.

> **Dr. Anne Denton, Associate Professor and**
> **Graduate Coordinator**
> **PhD, University of Mainz, Germany 1996**

Dr. Denton teaches courses in database management, bioinformatics, problem solving and foundations of computer science. Her research interests include data mining, bioinformatics, course management systems for distance education, and computational physics. Anne received the Meier Junior Professor award, she has also accepted the Graduate Coordinator roll starting 2013.

Dr. Hyunsook Do, Assistant Professor
PhD, University of Nebraska – Lincoln 2007

Dr. Do teaches courses in networks, network security, and software engineering. Her research program concerns software engineering, particularly software testing, maintenance, and empirical methodologies. Hyunsook received the NSF Career Award in 2012.

Dr. Wei Jin, Assistant Professor
PhD, University of Buffalo, 2008

Dr. Wei Jin teaches courses in comparative languages and information retrieval. Her research interests focus on Text Mining, Information Retrieval and social Network analysis and Bioinformatics.

Dr. Jun Kong, Associate Professor
PhD, University of Texas at Dallas, 2005

Dr. Kong is interested in visual modeling languages, model driven development and web-data interoperation. He teaches courses in operating systems and human computer interaction. Jun was promoted to Associate Professor with tenure effective Spring, 2012.

Dr. Juan Li, Associate Professor
PhD, University of British Columbia, Vancouver Canada 2008

Dr. Juan Li teaches courses in artificial intelligence, parallel and distributed simulations. Her research interests are in networking and distributed systems. Dr. Li was promoted in summer of 2014.

Dean Knudson, Associate Professor
PhD, Northwestern University,

Dr. Knudson is coordinator of the capstone program for bachelor of science students in CS and MIS. In this role he develops external sponsors for projects and mentors the student teams in project management. He teaches CSci 445, Capstone: Software Projects. Dr. Knudson has extensive experience working as a development executive for Microsoft and several other companies. He is a half-time Associate Professor.

Dr. Simone Ludwig, Associate Professor
PhD, Brunel University, West London, UK 2004

Dr. Simone Ludwig joined the faculty in the Fall of 2010. She teaches courses in assembly programming and artificial Intelligence. Her research interest combines distributed computing with artificial intelligence.

**Dr. Kenneth Magel, Professor and Associate Head
PhD, Brown University, 1977**

Dr. Magel teaches a wide variety of courses, including software engineering, programming languages, and social implications of computing. His software engineering research activities explore what makes programming difficult and programs complex. Dr. Magel conducts seminars and courses in XML, C# and .net technologies. He coordinates the graduate programs in software engineering. Beginning July 1, 2007 he became Associate Head for the Department.

**Dr. Kendall E. Nygard, Professor PhD, Virginia
Polytechnic Institute and State University,
1978**

Dr. Nygard teaches courses in simulation, social implications of computing, mathematical modeling, network optimization, systems analysis and design, and software testing and maintenance. His research interests include software systems for military mission planning for cooperative control of autonomous aircraft systems, software agents, and geographic information systems (GIS) for school transportation. Primary sponsors of his research are the Air Force and Navy. Dr. Nygard received the Jefferson Science Fellowship for 2013-14. A highly prestigious appointment to a year in Washington, DC at the U.S. State Department – only a handful of scientists are chosen each year.

Dr. William Perrizo, University Distinguished Professor
Ph.D., University of Minnesota, 1972

Dr. Perrizo teaches courses in database systems, data mining, bioinformatics, and networks. His research interests include database and information systems, data mining, data warehousing, distributed database systems, bioinformatics, precision agriculture, and remotely sensed data management and visualization. His research has been funded by many federal and private sources. Dr. Perrizo is a co-founder of the worldwide Virtual Conference on Bioinformatics. Dr. Perrizo has served in leadership roles for many conferences and on many boards and has a strong international reputation in research. In fall, 2007, he became one of the first seven University Distinguished Professors at NDSU, and in spring, 2008, was named Fargo-Moorhead Chamber of Commerce Professor

Dr. Saeed Salem, Assistant Professor
Ph.D., Rensselaer Polytechnic Institute, NY 2009

Dr. Salem teaches courses in Bioinformatics and Data Minig. His research interests are in bioinformatics, biological networks, data mining and machine learning.

Dr. Brian M. Slator, Professor and Department Head
Ph.D., New Mexico State University, 1988

Dr. Slator teaches courses in artificial intelligence (AI), multimedia educational systems, computer science problem solving, and comparative languages. His research interests revolve around active environments for learning, including the use of software agents, case-based reasoning, knowledge representation, multimedia systems, distance education, synthetic environments, and multi-user educational games. Dr. Slator is a recipient of the Ernest L. Boyer International Award for Excellence in Teaching, Learning and Technology. Since fall, 2007, he has been Department Head.

Dr. Vasant Ubhaya, Professor
Ph.D., University of California, Berkeley, 1971

Dr. Ubhaya teaches courses in Discrete Mathematics, Algorithm Analysis, Performance Evaluation, Mathematical Programming, and Dynamic Programming. He does research in Algorithms, Optimization and Approximation, and publishes his results regularly in journals. He is often invited by professional societies to organize and chair sessions, and give talks at their meetings. His research has been supported by the National Science Foundation and EPSCoR.

Dr. Gursimran Walia, Assistant Professor
Ph.D., Mississippi State University, 2009

Dr. Walia teaches courses in Software Project Planning and Empirical Software Engineering. His research interests are empirical software engineering, psychology in software engineering, software quality, information assurance and software engineering for computer security.

Dr. Changhui Yan, Associate Professor
Ph.D., Iowa State University, 2005

Dr. Yan teaches courses in Bioinformatics. His research interests include developing computational methods and tools to assist biologists to investigate problems in complex biological systems. Dr. Yan was promoted to Associate Professor in summer 2014.

LECTURERS

**Joan Krush, Academic Advisor/ Lecturer
MA, University of Iowa**

Ms. Krush is a halftime lecturer and advisor. Joan has a MA in student development in Postsecondary Education. She assists our students with their advising needs, leads student recruiting, and teaches sections of University 189. Joan received the outstanding academic advisor award for 2013-14.

**Dr. Sameer Abufardeh,
Assistant Professor of Practice
Phd, North Dakota State University, 2009**

Dr. Abufardeh teaches courses in Java. His research interest has been in the area of requirements engineering. He received his Ph.D. from the Department in fall, 2008. Sameer was promoted to Professor of Practice effective Spring, 2012.

Dr. Oksana Myronvych,
Assistant Professor of Practice
Phd, North Dakota State University 2010

Dr. Myronovych teaches courses in Java and the advanced Visual Basic .NET courses. Her research interest has been in the area of requirements engineering. She received a Ph.D. in 2009. She is currently the Treasurer/Secretary for the student chapter of UPE, the Computer Science Honor Society. Dr. Myronvych was promoted to Professor of Practice in December 2010.

Pratap Kotala, Lecturer
MS, North Dakota State University 2002

Mr. Kotala teaches courses in systems analysis and design and foundations of programming for MIS majors. He also teaches the distance and continuing education sections of business use of computers.

Joseph Latimer, Lecturer
MBA, California Polytechnic State University (Cal Poly), 1988.

Mr. Latimer teaches courses in sections of business use of computers, UNIX, Java, and Webscripting.

Janet Fleming, Lecturer
MBA, Northeast Louisiana University 1984

Ms. Fleming teaches courses in Microsoft office suite, Visual Basic and COBOL.

STAFF

**Robert Foertsch,
Systems Administrator**

Robert Foertsch is the department systems administrator and does all the maintanence and purchasing of all the computer equipment. He also does the configurations for the departmental instructional laboratories.

**Carole Huber,
Administrative Assistant**

Ms. Huber coordinates the administrative functions of the department. This includes managing research and appropriated funds, purchasing and accounts payable. She is the contact person for all student employment applications, time-slips, and tuition waivers. She coordinates all Teaching/Research/Grading positions for the department.

Stephanie Sculthorp,
Administrative Secretary

Ms. Sculthorp carries out office support functions, including data development, reporting, survey work, and assisting students and faculty. She is the assistant to the Graduate Coordinator.

Betty Opheim,
Part-time Administrative Secretary

Ms. Opheim carries out inventory, equipment and software support functions and assists in back-up office support. She is half-time.

Jane Dickerson
Part-time Administrative Secretary

Ms. Dickerson is half time office support for the department, her duties include receptionist responsibilities and office filing and support.

Otto Borchert
Programmer Analyst
MS, North Dakota State University, 2008

Mr. Otto Borchert began his Programmer Analyst position August 2007. His duties include educational games, research and software development.

Guy Hokanson
Programmer Analyst
MS, North Dakota State University, 2010

Mr. Guy Hokanson began his Programmer Analyst position August 2007. His duties include educational games, research and software development.

A. INSTRUCTION AND STUDENT SUCCESS

Capstone Projects:

Successful student teams use many of the skills they learned in earlier Computer Science courses. The sponsors for spring semester, 2014 were:

Bolder Thinking	Microsoft
CNE	NISC
FBS	Rockwell Collins
Inwerken	UPGPI
IBM	Valley Express
John Deere	

Summary tabulation of the Project Sponsor Survey, Compiled May, 2014

2014 Projects	Opinion of Capstone Program*	Willing to sponsor next year	Final Grade from Sponsor	Comments - mine	Comments - Sponsor/Mentor
Bolder Thinking	Very Good	For Sure	A	There were some major internal personnel issues within the student team. Most members worked through this very well. Two team members were asked to stay on working on the project.	"great work and easy to work with", "there was a clear issue with one of the group members, dispite this the other group members work together smashingly"
CNE	blank	For Sure	B	New sponsor - ties to consortium	"I would like to be part o fthis process again. I think with the lessons that I have personally learned I would be better at helping a group get a better final product."
FBS	Very Good	Likely	A	The project definition changed fairly early on in the semester from writing a content management system to integrating an exiting one into the FBS system.	"They met all the objectives of the project" "Excellent communication throughout the project" "The program is run very well."
IBM	Very Good	Likely	A	Complex open software project that also required learning the IBM OpenStack	"Mentoring for this class has become a high light of my job responsibilities.", "I think what they have done will be extremely useful for many community members and I'm excited to see how it progresses."

Company	Rating	Likelihood	Grade	Project Notes	Comments
Inwerken	Very Good	For Sure	A	This company is located in Hannover, Germany. This team had a problem student that was removed from the team part way through the semester.	"We have been really happy with the group. They performed well and it was great to work with them." "we were worried a little bit about the performance but after (person X) left the group the team bulding moved forward and also the overall team performance."
John Deere	Good	Likely	A	A very good project at the end, however, there was another problem student on this team that had to be removed from the team part way through the semester.	"They produced a better product than we anticipated from them." "Our requirements and definition were somewhat loose, students responded well to changes and members limited scope creep when possible."
Microsoft	Very Good	For Sure	A	Continuation of last year's project	Project may become commercial next year (Bison Tracker) so will have a new project
NISC	Very Good	For Sure	A	Another good project	"The finished project was exactly what David (the NISC Director) was envisioning and he was very pleased with the end result."
Rockwell Collins	Very Good	For Sure	A-	Very tough technically challenging project - complex airplane simulator, communications software, tablet application were all part of this project	"This project was particularly challenging as the team was both integrating with a tool they hadn't used or seen before but also creating new code of their own to interface with it."
UGPTI	Very Good	Likely	D	Students worked hard but had a major miscommunication that never got fully resolved	"huge miscommunication developed", "we were unaware that they misunderstood that the data was to be imported into a database and then repting would be done within the database", "they were dedicated"
Valley Express	Very Good	For Sure	A	New sponsor - ties to consortium	"good program with good people top to bottom", "everyone involved has been so dedicated and cooperative in providing such a viable solution"
	9 Very Good 1 Good 1 Blank	7 For Sure 4 Likely			

Exit Interviews

During 2013-14, the Department continued to interview graduating seniors. Each senior was asked to questionnaire as part of the CSci 445 capstone course.

Students Opinion of Program Value

	Very Good	Good	Marginal	Poor	No Comment
2005	8	11	2	1	
2006	13	5	1	1	
2007	20	6			
2008	30	6			
2009	25	6	1		
2010	33	18	4	1	1
2011	27	10			
2012	33	17	3		
2013	22	8	1	1	
2014	24	20	5		1

Sponsors Opinion of Capstone Program

	Very Good	Good	Marginal	Poor	No Comment
2005	13	6	1	1	2
2006	8	3			
2007	8	3			
2008	9	5			
2009	5	5			
2010	7	5			
2011	11	2			
2012	13	3			
2013	10				1
2014	9	1			1

Faculty Advisees 2013 – 2014

McCarty	Hunter	BS-Computer Science	
Rayo Hernandez	Gustavo	BS-Computer Science	
Riley	Kelan	BS-Computer Science	
Teotia	Anuj	BS-Computer Science	
Thorsgaard	Samuel	BS-Computer Science	
Wang	Yujuan	BS-Computer Science	
Gandhi	Harshada	MSE-Software Engineering	
Arora	Amit	MS-Software Engineering	
Harikrishnan	Deepthi	MS-Software Engineering	
Gulbranson	Erin	BS-Computer Science	Dai,Rui
Pullen	Jacob	BS-Computer Science	Dai,Rui
Ross	Elizabeth	BS-Computer Science	Dai,Rui
Durgapathi	Yashwanthgoud	MS-Computer Science	Dai,Rui
Khandelwal	Ruchi	MS-Computer Science	Dai,Rui
Li	Shuhang	MS-Computer Science	Dai,Rui
Kong	Lingchao	PHD-Computer Science	Dai,Rui
Schmidt	Matthew	BA-Computer Science	Denton,Anne
Wilson	Carey	BA-Computer Science	Denton,Anne
Ananya Jaidev	FNU	BS-Computer Science	Denton,Anne
Anderson	Stephen	BS-Computer Science	Denton,Anne
Lim	Bryan	BS-Computer Science	Denton,Anne
McEnroe	Thomas	BS-Computer Science	Denton,Anne
Olson	Darwin	BS-Computer Science	Denton,Anne
Paschke	Logan	BS-Computer Science	Denton,Anne
Ramirez Sanchez	Cesar	BS-Computer Science	Denton,Anne
Ruda	Stephen	BS-Computer Science	Denton,Anne
Swoboda	Lance	BS-Computer Science	Denton,Anne
Voels	Zachary	BS-Computer Science	Denton,Anne
Andersen	Zechariah	MS-Computer Science	Denton,Anne
Brazier	Tyler	MS-Computer Science	Denton,Anne
Mattaparthi	Sowjanya	MS-Computer Science	Denton,Anne
Olson	Nathan	MS-Computer Science	Denton,Anne
Subramaniam	Rajesh	MS-Computer Science	Denton,Anne
Xu	Xing	MS-Computer Science	Denton,Anne
Christeson	Eric	MS-Software Engineering	Denton,Anne
Sweet	Joshua	PHD-Computer Science	Denton,Anne

Davies	Connor	BA-Computer Science	Department assigned,.
Panora	Juan	BA-Computer Science	Department assigned,.
Barr	Brandan	BS-Computer Science	Department assigned,.
Christensen	Travis	BS-Computer Science	Department assigned,.
Conway	Jacob	BS-Computer Science	Department assigned,.
Courneya	Trevor	BS-Computer Science	Department assigned,.
Duhigg	Andrew	BS-Computer Science	Department assigned,.
Fritz	Joseph	BS-Computer Science	Department assigned,.
Haggerty	Neil	BS-Computer Science	Department assigned,.
Harms	Alexander	BS-Computer Science	Department assigned,.
Joshi	Adit	BS-Computer Science	Department assigned,.
Kakoty	Priyangshu	BS-Computer Science	Department assigned,.
Leadbetter	Jeremy	BS-Computer Science	Department assigned,.
McGregor	Ryan	BS-Computer Science	Department assigned,.
Raseek Fareed	Mohamed Risni	BS-Computer Science	Department assigned,.
Schmidlin	Christopher	BS-Computer Science	Department assigned,.
Spanier	Nathan	BS-Computer Science	Department assigned,.
Trautman	Eric	BS-Computer Science	Department assigned,.
Krenz	Eric	BA-Computer Science	Do,Hyunsook
Arneson	Corey	BS-Computer Science	Do,Hyunsook
Beaty	Thomas	BS-Computer Science	Do,Hyunsook
Demarais	Sarah	BS-Computer Science	Do,Hyunsook
Faul	Trevor	BS-Computer Science	Do,Hyunsook
VanSickle	Jordan	BS-Computer Science	Do,Hyunsook
Hassan	Amro	MS-Software Engineering	Do,Hyunsook
Aceituna	Daniel	PHD-Software Engineering	Do,Hyunsook
Geiser	Jeffrey	BA-Computer Science	Jin,Wei
Avalos	Cody	BS-Computer Science	Jin,Wei
Farah	Abdiaziz	BS-Computer Science	Jin,Wei
Haslop	Nolan	BS-Computer Science	Jin,Wei
Kumar	Ankit	BS-Computer Science	Jin,Wei
Moen	Luke	BS-Computer Science	Jin,Wei
Murray	Adam	BS-Computer Science	Jin,Wei
Nilles	Alexander	BS-Computer Science	Jin,Wei
Raboin	James	BS-Computer Science	Jin,Wei
Reuter	Chase	BS-Computer Science	Jin,Wei
Tran	Max	BS-Computer Science	Jin,Wei
Villareal	Joshua	BS-Computer Science	Jin,Wei
Wiltz	Patrick	BS-Computer Science	Jin,Wei
Dutta	Anubrata	MS-Computer Science	Jin,Wei
Mao	Xiaoli	MS-Computer Science	Jin,Wei
Peruri	Alekya	MS-Computer Science	Jin,Wei

Yan	Peng	PHD-Computer Science	Jin,Wei
Pink	Joseph	BS-Computer Science	King,Tariq Matthew
Grant	James	MS-Software Engineering	King,Tariq Matthew
Al-Ahmad	Bilal	PHD-Software Engineering	King,Tariq Matthew
Anderson	Jeffrey	PHD-Software Engineering	King,Tariq Matthew
Williams	Robert	PHD-Software Engineering	King,Tariq Matthew
Buringrud	Steven	BA-Computer Science	Kong,Jun
St. Amant	Christopher	BA-Computer Science	Kong,Jun
Brink	Tyler	BS-Computer Science	Kong,Jun
Friedman	Ted	BS-Computer Science	Kong,Jun
Herrmann	Brody	BS-Computer Science	Kong,Jun
Katiyar	Pawan	BS-Computer Science	Kong,Jun
Nelson	Michael	BS-Computer Science	Kong,Jun
Sease	Keri	BS-Computer Science	Kong,Jun
Suglo	Stephen	BS-Computer Science	Kong,Jun
Thomas	Adam	BS-Computer Science	Kong,Jun
Wiesenborn	Jesse	BS-Computer Science	Kong,Jun
Yang	Weikang	BS-Computer Science	Kong,Jun
Chintapalli	Veera Venkata	MS-Computer Science	Kong,Jun
Ghosh	Priyanka	MS-Computer Science	Kong,Jun
Roodaki	Maryam	MS-Computer Science	Kong,Jun
Limke	Jed	MS-Software Engineering	Kong,Jun
Roudaki	Ali	MS-Software Engineering	Kong,Jun
Roy	Arjun	PHD-Computer Science	Kong,Jun
Eda	Madhusudana	PHD-Software Engineering	Kong,Jun
Kotala	Pratap	PHD-Software Engineering	Kong,Jun
Obeidat	Qasem	PHD-Software Engineering	Kong,Jun
Christianson	Lauren	BA-Computer Science	Krush,Joan Marie
Hatfield	Andrew	BA-Computer Science	Krush,Joan Marie
Pitner	Anthony	BA-Computer Science	Krush,Joan Marie
Sailer	Andrew	BA-Computer Science	Krush,Joan Marie
Schultz	Jonathan	BA-Computer Science	Krush,Joan Marie
Schumacher	Colton	BA-Computer Science	Krush,Joan Marie
Shuck	Austin	BA-Computer Science	Krush,Joan Marie
Solien	Eric	BA-Computer Science	Krush,Joan Marie
Aakhus	Blake	BS-Computer Science	Krush,Joan Marie
Alean	Angela	BS-Computer Science	Krush,Joan Marie
Altenburg	Kurt	BS-Computer Science	Krush,Joan Marie
Ames	Thomas	BS-Computer Science	Krush,Joan Marie
Anderson	John	BS-Computer Science	Krush,Joan Marie
Aus	Carter	BS-Computer Science	Krush,Joan Marie
Ayehu	Fraol	BS-Computer Science	Krush,Joan Marie

Bayles	Michael	BS-Computer Science	Krush,Joan Marie
Bickler	John	BS-Computer Science	Krush,Joan Marie
Borders	Michael	BS-Computer Science	Krush,Joan Marie
Bowser	Bryce	BS-Computer Science	Krush,Joan Marie
Brandt	Walker	BS-Computer Science	Krush,Joan Marie
Braun	Eric	BS-Computer Science	Krush,Joan Marie
Breault	Nicholas	BS-Computer Science	Krush,Joan Marie
Buchholz	Alex	BS-Computer Science	Krush,Joan Marie
Burdick	Steven	BS-Computer Science	Krush,Joan Marie
Canillas	Eric	BS-Computer Science	Krush,Joan Marie
Chastain	Brett	BS-Computer Science	Krush,Joan Marie
Christiansen	Alycia	BS-Computer Science	Krush,Joan Marie
Christiansen	Amanda	BS-Computer Science	Krush,Joan Marie
Close	Chad	BS-Computer Science	Krush,Joan Marie
Crow	Matthew	BS-Computer Science	Krush,Joan Marie
Dahl	Michael	BS-Computer Science	Krush,Joan Marie
Dahlen	Kasey	BS-Computer Science	Krush,Joan Marie
De Silva	Nilmini	BS-Computer Science	Krush,Joan Marie
Dee	Dillon	BS-Computer Science	Krush,Joan Marie
Dobler	Donovan	BS-Computer Science	Krush,Joan Marie
Dvorak	Kavin	BS-Computer Science	Krush,Joan Marie
Ebersohl	Brandon	BS-Computer Science	Krush,Joan Marie
Ellingson	Nicholas	BS-Computer Science	Krush,Joan Marie
Fallenstein	Nicholas	BS-Computer Science	Krush,Joan Marie
Feikema	Nicholas	BS-Computer Science	Krush,Joan Marie
Feist	Bryant	BS-Computer Science	Krush,Joan Marie
Fevold	Matthew	BS-Computer Science	Krush,Joan Marie
Ford	Marshall	BS-Computer Science	Krush,Joan Marie
Franck	Joseph	BS-Computer Science	Krush,Joan Marie
Gelin	Robert	BS-Computer Science	Krush,Joan Marie
Glasner	Connor	BS-Computer Science	Krush,Joan Marie
Godbout	Brandon	BS-Computer Science	Krush,Joan Marie
Goetze	Jordan	BS-Computer Science	Krush,Joan Marie
Gregoire	Kevin	BS-Computer Science	Krush,Joan Marie
Griebel	Samuel	BS-Computer Science	Krush,Joan Marie
Gruhlke	Andrew	BS-Computer Science	Krush,Joan Marie
Guajardo	Edgar	BS-Computer Science	Krush,Joan Marie
Hall	Samuel	BS-Computer Science	Krush,Joan Marie
Halvorson	Caleb	BS-Computer Science	Krush,Joan Marie
Hansen	Colton	BS-Computer Science	Krush,Joan Marie
Hanson	Justin	BS-Computer Science	Krush,Joan Marie
Harding	William	BS-Computer Science	Krush,Joan Marie
Harris	Adam	BS-Computer Science	Krush,Joan Marie
Hart	Adam	BS-Computer Science	Krush,Joan Marie

Hatzenbuhler	Alexander	BS-Computer Science	Krush,Joan Marie
Henderson	James	BS-Computer Science	Krush,Joan Marie
Henry	Matthew	BS-Computer Science	Krush,Joan Marie
Higgins	Owen	BS-Computer Science	Krush,Joan Marie
Horner	Levi	BS-Computer Science	Krush,Joan Marie
Huynh	Mi	BS-Computer Science	Krush,Joan Marie
Jacobs	Jestin	BS-Computer Science	Krush,Joan Marie
Jacobsen	Parker	BS-Computer Science	Krush,Joan Marie
Jaeger	Aaron	BS-Computer Science	Krush,Joan Marie
Jeral	Austin	BS-Computer Science	Krush,Joan Marie
Joraanstad	Levi	BS-Computer Science	Krush,Joan Marie
Kallmeyer	Alexander	BS-Computer Science	Krush,Joan Marie
Kangas	Adam	BS-Computer Science	Krush,Joan Marie
Kloster	Michael	BS-Computer Science	Krush,Joan Marie
Kobilansky	Christopher	BS-Computer Science	Krush,Joan Marie
Kosse	Kaelen	BS-Computer Science	Krush,Joan Marie
Kostelecky	Marc	BS-Computer Science	Krush,Joan Marie
Kulzer	Anthony	BS-Computer Science	Krush,Joan Marie
Kurtz	Jordan	BS-Computer Science	Krush,Joan Marie
Lambert	Austin	BS-Computer Science	Krush,Joan Marie
Larsen	Caleb	BS-Computer Science	Krush,Joan Marie
Larson	Alexander	BS-Computer Science	Krush,Joan Marie
Lauer	Ryan	BS-Computer Science	Krush,Joan Marie
LaVanier	Erik	BS-Computer Science	Krush,Joan Marie
Leatherman	Garrett	BS-Computer Science	Krush,Joan Marie
Leet	Matthew	BS-Computer Science	Krush,Joan Marie
Lien	Kristian	BS-Computer Science	Krush,Joan Marie
Loberg	Austin	BS-Computer Science	Krush,Joan Marie
Losinski	Tyler	BS-Computer Science	Krush,Joan Marie
MacDonald	Aric	BS-Computer Science	Krush,Joan Marie
Mainz	John	BS-Computer Science	Krush,Joan Marie
Martin	Trevor	BS-Computer Science	Krush,Joan Marie
Matson	William	BS-Computer Science	Krush,Joan Marie
Matzke	Ryan	BS-Computer Science	Krush,Joan Marie
Mayer	Samuel	BS-Computer Science	Krush,Joan Marie
McCrory	Michael	BS-Computer Science	Krush,Joan Marie
McKeever	Marshall	BS-Computer Science	Krush,Joan Marie
Meske	Nicholas	BS-Computer Science	Krush,Joan Marie
Meyer	Brandon	BS-Computer Science	Krush,Joan Marie
Miller	Samuel	BS-Computer Science	Krush,Joan Marie
Mische	Carlin	BS-Computer Science	Krush,Joan Marie
Mitchell	Joseph	BS-Computer Science	Krush,Joan Marie
Molnar	Carl	BS-Computer Science	Krush,Joan Marie
Moore	Jordan	BS-Computer Science	Krush,Joan Marie

Morse	Mitchell	BS-Computer Science	Krush,Joan Marie
Moulin	Jackson	BS-Computer Science	Krush,Joan Marie
Needham	Craig	BS-Computer Science	Krush,Joan Marie
Nelson	Blake	BS-Computer Science	Krush,Joan Marie
Nelson	Beau	BS-Computer Science	Krush,Joan Marie
Nicolai	Isaiah	BS-Computer Science	Krush,Joan Marie
Niesen	Nicholas	BS-Computer Science	Krush,Joan Marie
Nistler	Michael	BS-Computer Science	Krush,Joan Marie
Nkowa	Anne Marie	BS-Computer Science	Krush,Joan Marie
Nordberg	Jared	BS-Computer Science	Krush,Joan Marie
Orth	Bryce	BS-Computer Science	Krush,Joan Marie
Osterbauer	Thomas	BS-Computer Science	Krush,Joan Marie
Otto	Tanner	BS-Computer Science	Krush,Joan Marie
Overgard	Alex	BS-Computer Science	Krush,Joan Marie
Palmer	Kyle	BS-Computer Science	Krush,Joan Marie
Paramarta	Dienul	BS-Computer Science	Krush,Joan Marie
Paulson	Alexander	BS-Computer Science	Krush,Joan Marie
Peterson	Alexander	BS-Computer Science	Krush,Joan Marie
Raboin	Stephen	BS-Computer Science	Krush,Joan Marie
Reinke	Ben	BS-Computer Science	Krush,Joan Marie
Roberg	Tyler	BS-Computer Science	Krush,Joan Marie
Roise	Michael	BS-Computer Science	Krush,Joan Marie
Rothstein	Justin	BS-Computer Science	Krush,Joan Marie
Rotvold	Scott	BS-Computer Science	Krush,Joan Marie
Ruh	Garret	BS-Computer Science	Krush,Joan Marie
Ruhland	Matthew	BS-Computer Science	Krush,Joan Marie
Ryan	Kyle	BS-Computer Science	Krush,Joan Marie
Sam	Priya	BS-Computer Science	Krush,Joan Marie
Schanilec	Matthew	BS-Computer Science	Krush,Joan Marie
Schleif	Oliver	BS-Computer Science	Krush,Joan Marie
Schumacher	Michael	BS-Computer Science	Krush,Joan Marie
Schutz	John	BS-Computer Science	Krush,Joan Marie
Sharma	Surya	BS-Computer Science	Krush,Joan Marie
Skibinski Junior	Deovandski	BS-Computer Science	Krush,Joan Marie
Slaby	Franklin	BS-Computer Science	Krush,Joan Marie
Soiseth	Jordan	BS-Computer Science	Krush,Joan Marie
Sommer	Aaron	BS-Computer Science	Krush,Joan Marie
Spofford	Daniel	BS-Computer Science	Krush,Joan Marie
Stasko	Nicholas	BS-Computer Science	Krush,Joan Marie
Steckling	Thomas	BS-Computer Science	Krush,Joan Marie
Steffan	Jordan	BS-Computer Science	Krush,Joan Marie
Strauss	Chelsy	BS-Computer Science	Krush,Joan Marie
Struxness	Jeremy	BS-Computer Science	Krush,Joan Marie
Sundin	Garrett	BS-Computer Science	Krush,Joan Marie

Swam	Mark	BS-Computer Science	Krush,Joan Marie
Tan	Joshua	BS-Computer Science	Krush,Joan Marie
Throndset	Andrew	BS-Computer Science	Krush,Joan Marie
Todd	Jena	BS-Computer Science	Krush,Joan Marie
VanEckhout	Jaden	BS-Computer Science	Krush,Joan Marie
Vietz	Zachary	BS-Computer Science	Krush,Joan Marie
Walker	Jonathan	BS-Computer Science	Krush,Joan Marie
Wallgren-Mindermann	Joshua	BS-Computer Science	Krush,Joan Marie
Walsh	Paige	BS-Computer Science	Krush,Joan Marie
Waraich	Tarunveer	BS-Computer Science	Krush,Joan Marie
Watkins	Daniel	BS-Computer Science	Krush,Joan Marie
Weiand	Justin	BS-Computer Science	Krush,Joan Marie
Welinski	Thomas	BS-Computer Science	Krush,Joan Marie
Weninger	Scott	BS-Computer Science	Krush,Joan Marie
Westlund	Jarod	BS-Computer Science	Krush,Joan Marie
Wirrenga	Jaden	BS-Computer Science	Krush,Joan Marie
Wolf	Alexander	BS-Computer Science	Krush,Joan Marie
Wright	Mason	BS-Computer Science	Krush,Joan Marie
Yan	Qianwen	BS-Computer Science	Krush,Joan Marie
Yeung	Stephen	BS-Computer Science	Krush,Joan Marie
Zweber	Jacob	BS-Computer Science	Krush,Joan Marie
Baier	Ryan	BS-Computer Science	Li,Juan
Bat-Otgon	Bat-Od	BS-Computer Science	Li,Juan
Heinle	Dennis	BS-Computer Science	Li,Juan
Jaiswal	Neelesh	BS-Computer Science	Li,Juan
Pester	Blake	BS-Computer Science	Li,Juan
Rhen	Erick	BS-Computer Science	Li,Juan
Salveson	Keenan	BS-Computer Science	Li,Juan
Sharma	Akshat	BS-Computer Science	Li,Juan
Smith	Isaac	BS-Computer Science	Li,Juan
Emamian	Peyman	MS-Computer Science	Li,Juan
Karnati	Yasvant Krishna	MS-Computer Science	Li,Juan
Lu	Zhou	MS-Computer Science	Li,Juan
Moparthi	Rashmi	MS-Computer Science	Li,Juan
Mudgal	Akshay	MS-Computer Science	Li,Juan
Lu	Yang	MS-Software Engineering	Li,Juan
Battu	Babitha	PHD-Computer Science	Li,Juan
Goparaju	Aditya	PHD-Computer Science	Li,Juan
Zaman	Nazia	PHD-Computer Science	Li,Juan
Heilman	Nick	BA-Computer Science	Ludwig,Simone
Abrams	Joshua	BS-Computer Science	Ludwig,Simone

Brinker	Nathaniel	BS-Computer Science	Ludwig,Simone
Calvillo	Anthony	BS-Computer Science	Ludwig,Simone
Cocozzello	Thomas	BS-Computer Science	Ludwig,Simone
Douvier	Gregory	BS-Computer Science	Ludwig,Simone
Ginkel	Jaron	BS-Computer Science	Ludwig,Simone
Kadeoua	Yvon	BS-Computer Science	Ludwig,Simone
McGrath	Max	BS-Computer Science	Ludwig,Simone
Philippy	Joshua	BS-Computer Science	Ludwig,Simone
Ramberg	Stephen	BS-Computer Science	Ludwig,Simone
Song	Yechun	BS-Computer Science	Ludwig,Simone
Thomas	Kevin	BS-Computer Science	Ludwig,Simone
Bhattacharyya	Krittika	MS-Computer Science	Ludwig,Simone
Dawar	Deepak	MS-Computer Science	Ludwig,Simone
Gagganapalli	Srikanth Reddy	MS-Computer Science	Ludwig,Simone
Gaur	Himanshu	MS-Computer Science	Ludwig,Simone
Kundur	Anuroop	MS-Computer Science	Ludwig,Simone
Valluru	Srikanth	MS-Computer Science	Ludwig,Simone
Hall	Jared	MS-Software Engineering	Ludwig,Simone
Kamel	Ashraf	MS-Software Engineering	Ludwig,Simone
Aljarah	Ibrahim	PHD-Computer Science	Ludwig,Simone
Al-Madi	Nailah	PHD-Computer Science	Ludwig,Simone
Pouriyeh	Seyed Amin	PHD-Computer Science	Ludwig,Simone
Chen	Min	PHD-Software Engineering	Ludwig,Simone
Barnick	Chris	BS-Computer Science	Magel,Kenneth
Hammer	Daniel	BS-Computer Science	Magel,Kenneth
Riendeau	Justin	BS-Computer Science	Magel,Kenneth
Schon	Nicholas	BS-Computer Science	Magel,Kenneth
Wass	Cody	BS-Computer Science	Magel,Kenneth
Collins	Christopher	CERT-Software Engineering	Magel,Kenneth
Nguyen	Austin	CERT-Software Engineering	Magel,Kenneth
Olson	April	CERT-Software Engineering	Magel,Kenneth
Pietrowski	Todd	CERT-Software Engineering	Magel,Kenneth
Ahmed	Syed	MSE-Software Engineering	Magel,Kenneth
Bajracharya	Nooresh	MSE-Software Engineering	Magel,Kenneth
Barber	Michael	MSE-Software Engineering	Magel,Kenneth
Bawa	Navdeep	MSE-Software Engineering	Magel,Kenneth
Bischoff	Nancy	MSE-Software Engineering	Magel,Kenneth
Chagonda	Arthur	MSE-Software Engineering	Magel,Kenneth
Gali	Joseph	MSE-Software Engineering	Magel,Kenneth
Gemuend	Thomas	MSE-Software Engineering	Magel,Kenneth
Gurram	Samyuktha	MSE-Software Engineering	Magel,Kenneth
Hegde	Shishir	MSE-Software Engineering	Magel,Kenneth
Heiser	Carolyn	MSE-Software Engineering	Magel,Kenneth

Kanaparthi	Ganga Srinivas	MSE-Software Engineering	Magel,Kenneth
Kim	Haram	MSE-Software Engineering	Magel,Kenneth
Kumar	Mukesh	MSE-Software Engineering	Magel,Kenneth
Maharjan	Binod	MSE-Software Engineering	Magel,Kenneth
McIntyre	Scott	MSE-Software Engineering	Magel,Kenneth
Mishra	Nikita	MSE-Software Engineering	Magel,Kenneth
Munowenyu	Joseph	MSE-Software Engineering	Magel,Kenneth
Nimmo	Eric	MSE-Software Engineering	Magel,Kenneth
Olfert	Janet	MSE-Software Engineering	Magel,Kenneth
Poindexter	James	MSE-Software Engineering	Magel,Kenneth
Rashid	Rumana	MSE-Software Engineering	Magel,Kenneth
Rastogi	Aakanksha	MSE-Software Engineering	Magel,Kenneth
Rathnaweera	Obinamuni Sudeepa	MSE-Software Engineering	Magel,Kenneth
Reddymalla	Srinivasreddy	MSE-Software Engineering	Magel,Kenneth
Rindfleisch	Joel	MSE-Software Engineering	Magel,Kenneth
Saharan	Santosh	MSE-Software Engineering	Magel,Kenneth
Selimovic	Migdad	MSE-Software Engineering	Magel,Kenneth
Sheoran	Deepak	MSE-Software Engineering	Magel,Kenneth
Shrestha	Ujjwal	MSE-Software Engineering	Magel,Kenneth
Silber	Daniel	MSE-Software Engineering	Magel,Kenneth
Singh	Ashish	MSE-Software Engineering	Magel,Kenneth
Sthapit	Manish	MSE-Software Engineering	Magel,Kenneth
Synkowski	Lee	MSE-Software Engineering	Magel,Kenneth
Tomar	Anil	MSE-Software Engineering	Magel,Kenneth
Veeraganta	Sirisha	MSE-Software Engineering	Magel,Kenneth
Venkataramani	Ganesh	MSE-Software Engineering	Magel,Kenneth
Abeyratne	Keith	MS-Software Engineering	Magel,Kenneth
Elhassani	Abdelhadi	MS-Software Engineering	Magel,Kenneth
Fonseka	Nilukshi	MS-Software Engineering	Magel,Kenneth
Gautam	Pooja	MS-Software Engineering	Magel,Kenneth
Gupta	Divya	MS-Software Engineering	Magel,Kenneth
Gupta	Nimish	MS-Software Engineering	Magel,Kenneth
Karan Chitkara	FNU	MS-Software Engineering	Magel,Kenneth
Kwete	Yannick	MS-Software Engineering	Magel,Kenneth
Mehta	Puneet	MS-Software Engineering	Magel,Kenneth
Minot	Scott	MS-Software Engineering	Magel,Kenneth
Patel	Parita	MS-Software Engineering	Magel,Kenneth
Puri	Rahul	MS-Software Engineering	Magel,Kenneth
Sathiaseelan	Anu Evelyn	MS-Software Engineering	Magel,Kenneth
Sharma	Rahul	MS-Software Engineering	Magel,Kenneth
Sijapati	Cady	MS-Software Engineering	Magel,Kenneth
Simley	Judi	MS-Software Engineering	Magel,Kenneth
Singh	Abhinav	MS-Software Engineering	Magel,Kenneth

Srichinta	Pallavi	MS-Software Engineering	Magel,Kenneth
Syed	Naveed	MS-Software Engineering	Magel,Kenneth
Tripathi	Snnahill	MS-Software Engineering	Magel,Kenneth
Alemerien	Khalid	PHD-Software Engineering	Magel,Kenneth
Alenezi	Mamdouh	PHD-Software Engineering	Magel,Kenneth
Attaallah	Abdulaziz	PHD-Software Engineering	Magel,Kenneth
Barakat	Rahaf	PHD-Software Engineering	Magel,Kenneth
Lacher	Lisa	PHD-Software Engineering	Magel,Kenneth
Salam	Tareq	PHD-Software Engineering	Magel,Kenneth
Ahmed	Syed Kutub Uddin	MS-Computer Science	Nygard,Kendall E
Amanchi	Srinivas Adithya	MS-Computer Science	Nygard,Kendall E
Bauer	Kevin	MS-Computer Science	Nygard,Kendall E
Bouret	Megan	MS-Computer Science	Nygard,Kendall E
Chowdhury	Md.	MS-Computer Science	Nygard,Kendall E
Dayala	Divya	MS-Computer Science	Nygard,Kendall E
Dinesh Singh	FNU	MS-Computer Science	Nygard,Kendall E
Gadiparthi	Sudheer	MS-Computer Science	Nygard,Kendall E
Ginjala	Anisha	MS-Computer Science	Nygard,Kendall E
Helsene	Adam	MS-Computer Science	Nygard,Kendall E
Kapoor	Raghav	MS-Computer Science	Nygard,Kendall E
Khosla	Sourabh	MS-Computer Science	Nygard,Kendall E
Kolluru	Sunil	MS-Computer Science	Nygard,Kendall E
Kolte	Deepak	MS-Computer Science	Nygard,Kendall E
Kroshus	John	MS-Computer Science	Nygard,Kendall E
Lampl	Damian	MS-Computer Science	Nygard,Kendall E
Madamanchi	Devi	MS-Computer Science	Nygard,Kendall E
Mahabaleshwar	Mahesh	MS-Computer Science	Nygard,Kendall E
Manne	Priyanka	MS-Computer Science	Nygard,Kendall E
Mucha	Nithisha	MS-Computer Science	Nygard,Kendall E
Param	Sowjanya	MS-Computer Science	Nygard,Kendall E
Phadke	Swapna	MS-Computer Science	Nygard,Kendall E
Rajan	Prateek	MS-Computer Science	Nygard,Kendall E
Rehman	Sana	MS-Computer Science	Nygard,Kendall E
Saha	Barsha	MS-Computer Science	Nygard,Kendall E
Sambaraju	Sharath	MS-Computer Science	Nygard,Kendall E
Sen	Sourya	MS-Computer Science	Nygard,Kendall E
Sen	Souvik	MS-Computer Science	Nygard,Kendall E
Shevkar	Rupali	MS-Computer Science	Nygard,Kendall E
Singh	Sonal	MS-Computer Science	Nygard,Kendall E
Singh	Manish	MS-Computer Science	Nygard,Kendall E
Somavarapu	Murali	MS-Computer Science	Nygard,Kendall E
Soni	Gaurav	MS-Computer Science	Nygard,Kendall E
Vafaei	Fereydoon	MS-Computer Science	Nygard,Kendall E

Wang	Di	MS-Computer Science	Nygard,Kendall E
Yang	Yingjie	MS-Computer Science	Nygard,Kendall E
Mehrotra	Surbhit	MSE-Software Engineering	Nygard,Kendall E
Agarwal	Abhishek	MS-Software Engineering	Nygard,Kendall E
Chhina	Ramneet	MS-Software Engineering	Nygard,Kendall E
Huang	Zheng	MS-Software Engineering	Nygard,Kendall E
Jahan	Farzana	MS-Software Engineering	Nygard,Kendall E
Pachaiyappan	Sathya	MS-Software Engineering	Nygard,Kendall E
Pandey	Anand	MS-Software Engineering	Nygard,Kendall E
Poudyal	Abhaya	MS-Software Engineering	Nygard,Kendall E
Sharma	Aditi	MS-Software Engineering	Nygard,Kendall E
Stone	Jason	MS-Software Engineering	Nygard,Kendall E
Wang	Yijun	MS-Software Engineering	Nygard,Kendall E
Chakravarthi	Satheesh	PHD-Computer Science	Nygard,Kendall E
Dass	Pranav	PHD-Computer Science	Nygard,Kendall E
Kambhampaty	Krishna	PHD-Computer Science	Nygard,Kendall E
Konar	Prosenjit	PHD-Computer Science	Nygard,Kendall E
Loree	Paul	PHD-Computer Science	Nygard,Kendall E
Seetan	Raed	PHD-Computer Science	Nygard,Kendall E
Murugaiyan	Elangovan	PHD-Software Engineering	Nygard,Kendall E
Knutson	Adam	BA-Computer Science	Perrizo,William K
Christensen	Ross	BS-Computer Science	Perrizo,William K
Clark	Benjamin	BS-Computer Science	Perrizo,William K
Lee	Jason	BS-Computer Science	Perrizo,William K
Leon	Christopher	BS-Computer Science	Perrizo,William K
Ntaate	Allan	BS-Computer Science	Perrizo,William K
Pavicic	Abel	BS-Computer Science	Perrizo,William K
Stutsman	Samuel	BS-Computer Science	Perrizo,William K
Upton	Alexander	BS-Computer Science	Perrizo,William K
Mesich	Bryan	MS-Computer Science	Perrizo,William K
Singh	Rajat	MS-Computer Science	Perrizo,William K
Chatterjee	Arijit	PHD-Computer Science	Perrizo,William K
Hossain	Mohammad	PHD-Computer Science	Perrizo,William K
Schaefer	Patrick	BA-Computer Science	Salem,Saeed Mousa
Tsog	Baldorj	BA-Computer Science	Salem,Saeed Mousa
Adducci	Christopher	BS-Computer Science	Salem,Saeed Mousa
Assumani	Rafiki	BS-Computer Science	Salem,Saeed Mousa
Brewer	Adam	BS-Computer Science	Salem,Saeed Mousa
Danielson	Andrew	BS-Computer Science	Salem,Saeed Mousa
Hanson	Brady	BS-Computer Science	Salem,Saeed Mousa
Johnson	Daniel	BS-Computer Science	Salem,Saeed Mousa
Kosis	Madeline	BS-Computer Science	Salem,Saeed Mousa

Sandberg	Adam	BS-Computer Science	Salem,Saeed Mousa
Sheldon	Carl	BS-Computer Science	Salem,Saeed Mousa
Sullivan	Matthew	BS-Computer Science	Salem,Saeed Mousa
Thomas	Michael	BS-Computer Science	Salem,Saeed Mousa
Welker	Michael	BS-Computer Science	Salem,Saeed Mousa
Yadav	Ritika	BS-Computer Science	Salem,Saeed Mousa
Alroobi	Rami	PHD-Computer Science	Salem,Saeed Mousa
Dandey	Santosh Raj	MS-Computer Science	Slator,Brian
Kariluoma	Matti	MS-Computer Science	Slator,Brian
Noel	Elizabeth	MS-Software Engineering	Slator,Brian
Borchert	Otto	PHD-Computer Science	Slator,Brian
Bizuwork	Sena	BS-Computer Science	Ubhaya,Vasant A
Blaha	Ryan	BS-Computer Science	Ubhaya,Vasant A
Damm	Jaren	BS-Computer Science	Ubhaya,Vasant A
Gordon	Madeline	BS-Computer Science	Ubhaya,Vasant A
Lundgren	Alexander	BS-Computer Science	Ubhaya,Vasant A
Stein	Adam	BS-Computer Science	Ubhaya,Vasant A
Westerholm	James	BS-Computer Science	Ubhaya,Vasant A
Muttineni	Divya	MS-Computer Science	Ubhaya,Vasant A
Bartholomew	Joshua	BS-Computer Science	Walia,Gursimran Singh
Bellefeuille	Joshua	BS-Computer Science	Walia,Gursimran Singh
Christiansen	Jordan	BS-Computer Science	Walia,Gursimran Singh
Franzen	Matthew	BS-Computer Science	Walia,Gursimran Singh
Hasse	Christopher	BS-Computer Science	Walia,Gursimran Singh
Kuruppu Arachchillage	Vishwajith	BS-Computer Science	Walia,Gursimran Singh
Malz	Justin	BS-Computer Science	Walia,Gursimran Singh
Mellmer	Jason	BS-Computer Science	Walia,Gursimran Singh
Norton	Shahana	BS-Computer Science	Walia,Gursimran Singh
Szurek	Jeffrey	BS-Computer Science	Walia,Gursimran Singh
Erickson	Steven	CERT-Software Engineering	Walia,Gursimran Singh
Annadi	Ramakanth	MS-Computer Science	Walia,Gursimran Singh
Hegde	Reshma	MS-Computer Science	Walia,Gursimran Singh
Agarwal	Palak	MS-Software Engineering	Walia,Gursimran Singh
Gupta	Munmun	MS-Software Engineering	Walia,Gursimran Singh
Sharma	Sonu	MS-Software Engineering	Walia,Gursimran Singh
Goswami	Anurag	PHD-Software Engineering	Walia,Gursimran Singh
Hettiarachchi	Charitha	PHD-Software Engineering	Walia,Gursimran Singh
Higgs	Dewayne	PHD-Software Engineering	Walia,Gursimran Singh
Radermacher	Alex	PHD-Software Engineering	Walia,Gursimran Singh

Kube	Alexander	BA-Computer Science	Yan,Changhui
Mohs	Nicholas	BA-Computer Science	Yan,Changhui
Croze	Austin	BS-Computer Science	Yan,Changhui
Fischer	Steven	BS-Computer Science	Yan,Changhui
Gan	Jie	BS-Computer Science	Yan,Changhui
Hoque	Rahmanul	BS-Computer Science	Yan,Changhui
Larson	Rachel	BS-Computer Science	Yan,Changhui
Luthjohn	Sean	BS-Computer Science	Yan,Changhui
Marks	Dominic	BS-Computer Science	Yan,Changhui
Miller	Logan	BS-Computer Science	Yan,Changhui
Savidge	Samuel	BS-Computer Science	Yan,Changhui
Sharma	Nishant	BS-Computer Science	Yan,Changhui
Summers	Kelly	BS-Computer Science	Yan,Changhui
Zhang	Shujian	BS-Computer Science	Yan,Changhui
Nuthulapati	Sri Lalitha	MS-Computer Science	Yan,Changhui
Reddy	Vijay Reddy	MS-Computer Science	Yan,Changhui
Zhu	Ya	MS-Computer Science	Yan,Changhui
Sun	Liren	MS-Software Engineering	Yan,Changhui
Cheng	Wen	PHD-Computer Science	Yan,Changhui

B. RESEARCH/CREAVTIVE ACTIVITY

Grants/Contracts/Research:

**COMPUTER SCIENCE DEPARTMENT GRANTS AND CONTRACTS, PART 1
PROJECTS INITIATED PRIOR TO JULY 1, 2014, AND CONTINUING
INTO THE 2013-2014 ACADEMIC YEAR**

YEAR	GRANT #	PRINCIPAL INVESTIGATOR	TITLE	FUNDING SOURCE	AMOUNT
7-1-11 to 6-30-14	17967	Denton	Data Driven Support for the Smart Farm	NSF	254,499
8-1-13 to 7-31-14	18080	Denton	NDSU Computer Science Industry Consortium Program (ICP)	American Crystal Sugar	15,000
8-1-13 to 7-31-14	18079	Denton/ Knudson	NDSU Computer Science Industry Consortium Program (ICP)	Phoenix International	15,000
7/11 to 8/14	18674	Denton/ Helsene	Desktop virtualization pilot project	NDSU Tech Fee	66,847
7-1-11 to 6-30-14	18751	Denton/ Nowaski	Data Driven Support for the Smart Farm	NSF	108,014
7-1-12 to 6-30-14	20418	Denton/Sweet	Graduate Student Award	NSF	55,220
4-1-12 to 3-31-17	18859	Do	CAREER Award	NSF	250,000
7-1-11 to 6-30-15	18752	Knudson	Data Driven Support for the Smart Farm	NSF	24,928
9-15-11 to 8-31-14	18160	Kong	MRI – Development of a Cross Platform Infrastructure	NSF	300,000
8-1-12 to 7-31-14	18083	Ludwig	NDSU Computer Science Industry Consortium Program (ICP)	RDO Equipment Company	15,000
9-15-11 to 8-31-14	19128	Ludwig/ Knudson	Great Plains Software	Upper Great Plains	30,000
3-12 to 4/14	18139	Nygard	Military Logistics	Upper Great Plains	5,000
1/1/13 to 12/31/13	21082	Nygard/ Sijapati	Graduate Student Award	US Dept. of Interior	17,625
4-1-12 to 3-31-15	19447	Walia	Integrating Testing	NSF	78,959
TOTAL					**1,236,092**

COMPUTER SCIENCE DEPARTMENT GRANTS AND CONTRACTS
PROJECTS INITIATED DURING THE JULY 1, 2013 TO JUNE 30, 2014 TIME PERIOD

YEAR	GRANT #	PRINCIPAL INVESTIGATOR	TITLE	FUNDING SOURCE	AMOUNT
9/1/13 to 8/15/14	20981	Magel	Honeywell, Inc.	Honeywell	175,000
8/13 to 8/15	18080	Denton	NDSU Computer Science Industry Consortium Program (ICP)	American Crystal Sugar	15,000
8/1/13 to 7/31/16	20516	Yan	ABI Innovation	NSF	301,702
8/16/13 to 8/15/14	21976	Ludwig	DDA/Nailah Al-Madi	Epscor	19,580
8/13/ to 8/15	18079	Knudson	NDSU Computer Science Industry Consortium Program (ICP)	Phoenix International	15,000
9/1/13 to 8/31/16	20756	Yan	ABC-A Biology Cloud	NSF	314,774
10/15/13 to 7/31/14	22229	Dai/ Knudson	NDSU Computer Science Industry Consortium Program (ICP)	CNE	15,000
11/21/13 to 4/15/15	21694	Li	Efficient Knowledge Management	Cisco Systems	51,359
1/6/14 to 1/5/15	22566	Li	NDSU Computer Science Industry Consortium Program (ICP)	Valley Express	15,000
Totals					**922,415**

Fall 2013 / Spring 2014 Graduate Research Assistants

Matti Kariluoma	Ibrahim AlJarah	Sadhana Badu
Daniel Aceituna	Babitha Battu	Harshada Chaven
Cady Sijapati	Sam Stutsman	Raed Seetan
Syed Ahmed	Min Chen	Peng Yan
Deepak Kolte	Wen Cheng	Yingjie Yang
Avijeet Tomer	Talukdar Asgar	Srikanth Gagganapalli
Lingchao Kong	Shuhang Li	Hanzhe Li
Nailah Al-Madi	Nitendra Gautam	Abdul Hameed
Divya Muttineni	Qingrui Li	Ya Zhu
Kavitha Manjunath	Rohit Pathak	Vijay Reddy
Rajat Singh	Rajesh Subramanian	Liren Sun
Joshua Sweet	Di Wang	Qi Wang
Gongy Xia	Nazia Zaman	Qasem Obeidat
Anurag Goswami	Deepak Dawar	

Fall 2013 / Spring 2014 Undergraduate Research Assistants

Logan Paschke	Michael Nelson
Nathan Spanier	Kyle Ryan
Cesar Ramirez	Surya Sharma
Michael Fokken	Justin Sticht
Lucas Johnson	Keenan Salverson
Kevin Dvorak	Joshua Tan
Cole Kainz	
Wei Kang Lim	

Faculty Publications/Presentation and Course Instruction:

Rui Dai
Peer-reviewed publication: 2
Invited National, international presentations: 0

Anne Denton
Peer-reviewed publication: 8
Invited National, international presentations: 1

Hyunsook Do
Peer-reviewed publication: 2
Invited National, international presentations: 3

Wei Jin
Peer-reviewed publication: 7
Invited National, international presentations: 0

Jun Kong
Peer-reviewed publication: 7
Invited National, international presentations: 1

Dean Knudson
Peer-reviewed publication: 1
Invited National, international presentations: 2

Juan Li
Peer-reviewed publication: 9
Invited National, international presentations: 2

Simone Ludwig
Peer-reviewed publication: 10
Invited National, international presentations: 4

Kenneth Magel
Peer-reviewed publication: 4
Invited National, international presentations: 2

Kendall Nygard
Peer-reviewed publication: 3
Invited National, international presentations: 3

William Perrizo
Peer-reviewed publication: 2

Invited National, international presentations: 1

Saeed Salem
Peer-reviewed publication: 4
Invited National, international presentations: 4

Brian Slator
Peer-reviewed publication: 6
Invited National, international presentations: 2

Vasant Ubhaya
Peer-reviewed publication: 0
Invited National, international presentations: 0

Changhui Yan
Peer-reviewed publication: 4
Invited National, international presentations: 3

SUMMER II SCHEDULE
2013

COURSE HOURS	CLASS TITLE	INSTRUCTOR	ENROLL	STUDENT CREDIT
114	Microcomputer Packages - *DCE*	Pratap Kotala	51	3
116	Business Use of Computers - *DCE*	Janet Olfert	36	4
122	Programming in Basic –VB.Net - *DCE*	O. Myronovych	14	3
125	COBOL Programming - *DCE*	J. Olfert	3	3
159	Computer Science Prob. Solving - *DCE*	P. Kotala	17	3
161	Computer Science II	S. Abufardeh	20	4
213	Modern Solftware Development	O. Myronovych	11	3
372	Comparative Languages - *DCE*	S. Abufardeh	22	3
473	Foundations of Digital Enterprise - *DCE*	K. Nygard	16	3
713	Software Engineering I - *DCE*	K. Magel	5	3
714	Software Projects Plan Estimation	G. Walia	9	3
714	Software Projects Plan Estimation - *DCE*	H. Do	3	3
715	Software Req/Definition/Analys-*DCE*	K. Magel	3	3
716	Software Design – *DCE*	K. Magel	7	3
717	Software Construction – *DCE*	K. Magel	9	3
718	Software Testing & Debugging - *DCE*	K. Magel	6	3
741	Algorithm Analysis	V. Ubhaya	6	3
746	Development of Dist. Sys. - *DCE*	K. Magel	14	3
765	Intro to Database Systems – *DCE*	W. Perrizo	3	3
773	Foundations of Digital Enterprise - *DCE*	K. Nygard	5	3
774	Topics of Digital Enterprise	K. Nygard	28	3
793	Special Topics	Faculty	2	3
797	Master Paper	Faculty	18	1-10
798	Master Thesis	Faculty	9	1-10
799	Doctoral Dissertation	Faculty	15	1-15

FALL SEMESTER SCHEDULE
2013

COURSE HOURS	CLASS TITLE	INSTRUCTOR	ENROLL	STUDENT CREDIT
114	Microcomputer Packages	Anurag Goswami	55	3
114	Microcomputer Packages	Himanshu Gaur	55	3
114	Microcomputer Packages	Elizabeth Noel	54	3

114	Microcomputer Packages	Tyler Brazier	54	3
114	Microcomputer Packages	Janet Fleming	37	3
114	Microcomputer Packages	Janet Fleming	19	3
114	Microcomputer Packages	Janet Fleming (Cont Edu)	21	3
116	Business Use of Computer	Ashraf Kamel	56	4
116	Business Use of Computers	Deepak Kolte	53	4
116	Business Use of Computers	Kevin Bauer	55	4
116	Business Use of Computers	Rami Alroobi	52	4
116	Business Use of Computers	Sowjanya Mattaparthi	40	4
116	Business Use of Computers	Kritta Bhattacharya	19	4
116	Business Use of Computers	Pratap Kotala (Cont Edu)	95	4
122	Beginning BASIC/Visual BASIC	Nazia Zaman	36	3
122	Beginning BASIC/Visual BASIC	Damian Lampl	40	3
122	Beginning BASIC/Visual BASIC - *DCE*	Oksana Myronovych	36	3
126	Beginning COBOL	Janet Fleming	10	3
159	Computer Sc. Problem Solving	Matti Kariluoma	38	3
159	Computer Sc. Problem Solving	O. Myronvych	29	3
160	Computer Science I	Joe Latimer	46	4
160	Computer Science I	Pratap Kotala	46	4
160	Computer Science I	Pratap Kotala	46	4
160	Computer Science I	Joe Latimer	46	4
161	Computer Science II	S. Abufardeh	36	4
161	Computer Science II	S. Abufardeh	40	4
172	Intermediate BASIC/Visual BASIC -*DCE*	O. Myronovych	8	3
213	Modern Software Development	O. Myronovych	40	3
213	Modern Software Development	O. Myronovych	42	3
213	Modern Software Development	S. Abufardeh	21	3
222	Discrete Mathematics	V. Ubhaya	50	3
227	Computing Fund I	O. Myronovych	22	3
315	System Anal & Design	G. Walia	32	3
335	Theoretical CS I	Anne Denton	11	3
366	Files/Database System	A. Denton	58	3
372	Comparative Languages	Wei Jin	10	3
372	Comparative Languages	Wei Jin	8	3
374	Computer Organization	Simone Ludwig	30	3
413	Principles of Software Eng.	Mark Pavicic	26	3
415	Networking/Parallel Computation	Juan Li	26	3
418	Simulation Models	Mark Pavicic	12	3
469	Network Security	S. Abufardeh	10	3
474	Operating Systems Conc.	J. Kong	44	3
477	Object-Oriented Systems	R. Dai	11	3
479	Introduction to Data Mining	S. Salem	25	3
488	Human-Computer Interaction	J. Kong	32	3

618	Simulation Models	Mark Pavicic	1	3
669	Netwrok Security	S. Abufardeh	2	3
677	Object-Oriented Systems	R. Dai	2	3
679	Introduction to Datat Mining	S. Salem	11	3
688	Human-Computer Interaction	J. Kong	7	3
713	Software Engineering I	K. Magel	34	3
713	Software Engineering I- *DCE*	K. Magel	10	3
715	Software Req/Definition/Analys	G. Walia	7	3
715	Software Req/Definition/Analys-*DCE*	K. Magel	10	3
716	Software Design - *DCE*	K. Magel	10	3
717	Software Construction - *DCE*	K. Magel	8	3
718	Software Testing and Debugging - *DCE*	K. Magel	11	3
741	Algoritm Analysis	V. Ubhaya	29	3
747	Software Complexity Metrics	G. Walia	16	3
758	Bioinformatics/Data Mining	S. Salem	5	3
759	Comp Methods/Bioinformatics	C. Yan	10	3
765	Intro to Database Systems	W. Perrizo	31	3
783	ST/Empirical Software Engrineering - *DCE*	G. Walia	7	3
790	Sem/Software Engineering	K. Magel	15	1
790	Sem/ Applications of Networks	S. Salem	11	1
790	Sem/ Multi Agent Systems	S. Ludwig	3	1
790	Sem/ Data Mining Science	Anne Denton	10	1
797	Masters Paper	Staff	65	1-10
798	Master Thesis	Staff	22	1-10
799	Doctoral Dissertation	Staff	32	1-15

SPRING SEMESTER SCHEDULE
2014

COURSE HOURS	CLASS TITLE	INSTRUCTOR	ENROLL	STUDENT CREDIT
114	Microcomputer Packages	Anurag Goswami	55	3
114	Microcomputer Packages	Elizabeth Noel	54	3
114	Microcomputer Packages	Elizabeth Noel	54	3
114	Microcomputer Packages	Himenshu Gaug	51	3
114	Microcomputer Packages	Wen Cheng	42	3
114	Microcomputer Packages	Wen Cheng	40	3
114	Microcomputer Packages - *DCE*	Janet Fleming	77	3
116	Business Use of Computers	Asraf Kamel	54	4
116	Business Use of Computers	Kritta Bhattacharyya	57	4
116	Business Use of Computers	Srisha Veeraganta	56	4
116	Business Use of Computers	Rami Alroobi	55	4
116	Business Use of Computers	Sowjanya Mattaparthi	39	4

116	Business Use of Computers	Sowjanya Mattaparthi	39	4
116	Business Use of Computers - *DCE*	Pratap Kotala	84	4
122	Beginning BASIC/Visual BASIC	Janet Fleming	40	3
122	Beginning BASIC/Visual BASIC	Damian Lampl	41	3
122	Beginning BASIC/Visual BASIC - *DCE*	O. Myronvych	29	3
159	Computer Sc. Problem Solving	Janet Fleming	39	3
159	Computer Sc. Problem Solving	Janet Fleming	40	3
159	Computer Sc. Problem Solving - *DCE*	Oksana Myronovych	24	3
160	Computer Science I	Pratap Kotala	39	4
160	Computer Science I	Pratap Kotala	39	4
160	Computer Science I	Pratap Kotala	34	4
161	Computer Science II	O. Myronvych	43	4
161	Computer Science II	O. Myronvych	41	4
222	Discrete Mathematics	V. Ubhaya	39	3
228	Computing Fundamentals II	J. Latimer	10	3
312	Survey/Programming Languages	R. Dai	9	3
313	Software Development for Games	S. Abufardeh	40	3
313	Software Development for Games	S. Abufardeh	29	3
316	System Testing & Maintenance	J. Latimer	21	3
336	Theoretical CS II	G. Walia	53	3
345	Topics on Personal Computers	B. Slator	20	3
345	Topics Cloud Computing	S. Ludwig	17	3
345	Topics Mobile and Wireless Network	R. Dai	13	3
345	Topic Social Information Networks	S. Salem	6	3
366	Database Systems	W. Perrizo	42	3
371	Web Scripting Language	J. Latimer	34	3
372	Comparative Prog Languages	S. Abufardeh	39	3
374	Computer Organization	C. Yan	41	3
426	Intro to Artificial Intelligence	S. Ludwig	20	3
445	Software Projects Capstone	D. Knudson	51	3
467	Algorithm Analysis	V. Ubhaya	45	3
475	Operating Systems Design	J. Kong	18	3
489	Social Implications of Comp	S. Abufardeh	14	3
489	Social Implications of Comp	S. Abufardeh	55	3
494	Independent Study/	Anne Denton	1	3
689	Social Implications of Comp	S. Abufardeh	3	3
689	Social Implications of Comp	S. Abufardeh	3	3
713	Software Engineering I - *DCE*	K. Magel	11	3
714	Software Project Planning & Estimat -*DCE*	G. Walia	22	3
715	Software Requirements Defn & Anal.- *DCE*	K. Magel	12	3
716	Software Design	K. Magel	16	3
716	Software Design – *DCE*	K. Magel	5	3
717	Software Construction	T. King	7	3

COURSE HOURS	CLASS TITLE	INSTRUCTOR	ENROLL	STUDENT CREDIT
718	Software Testing/Debugging - *DCE*	K. Magel	3	3
724	Survey/Artificial Intelligence	J. Li	29	3
724	Survey/Artificial Intelligence - *DCE*	J. Li	14	3
732	Intro to Bioinformatics	C. Yan	22	3
746	Development/Dist. Systems	J. Li	25	3
746	Development/Dist. Systems - *DCE*	J. Li	9	3
747	Software Complexity Metrics - *DCE*	G. Walia	5	3
765	Intro to Database Systems	W. Perrizo	15	
765	Intro to Database Systems - *DCE*	W. Perrizo	10	3
783	AdvTopics Mobile & Wireless Network	R. Dai	3	3
785	Adv Topics Cloud Computing	S. Ludwig	10	3
785	Adv Topics Soc. Information Networks	S. Salem	4	3
790	Sem/Educational Media	B. Slator	14	1
790	Sem/Software Engineering	K. Magel	10	1
790	Sem/HCI-Preserve Computing	J. Kong	8	1
790	Sem/Semantic Web Technologies	J. Li	3	1
790	Sem/Advances in Computation Biology	C. Yan	2	1
793	IS/Software Projects	K. Magel	1	3
793	IS/Software Projects - *DCE*	K. Magel	15	3
797	Masters Paper	Staff	78	1-10
798	Master Thesis	Staff	32	1-10
799	Doctoral Dissertation	Staff	36	1-15

SUMMER I SCHEDULE
2014

COURSE HOURS	CLASS TITLE	INSTRUCTOR	ENROLL	STUDENT CREDIT
114	Microcomputer Packages - *DCE*	J. Fleming	47	3
116	Business Use of Computers - *DCE*	P. Kotala	38	4
122	Programming in Basic VB.NET - *DCE*	O. Myronvych	10	3
159	Computer Science Problem Solving - *DCE*	O. Myronovych	14	3
161	Computer Science II	S. Abufardeh	18	4
213	Modern Software Development	O. Myronovych	18	3
222	Discrete Mathematics	V. Ubhaya	7	3
372	Comparative Languages - *DCE*	S. Abufardeh	15	3
473	Foundations of Digital Enter - *DCE*	P. Kotala	13	3
488	Human Computer Interaction	J. Kong	3	3
688	Human Computer Interaction	J. Kong	7	3
713	Software Engineering - *DCE*	K. Magel	5	3
714	Software Project Planning & Estimat –*DCE*	G. Walia	10	3
715	Software Requirements Definition - *DCE*	K. Magel	7	3

716	Software Design - *DCE*	K. Magel	4	3
717	Software Construction - *DCE*	K. Magel	7	3
718	Software Testng & Debugging – *DCE*	K. Magel	9	3
735	Neural Networks	S. Ludwig	12	3
771	Software Projects I - *DCE*	K. Magel	7	3
772	Software Projects II - *DCE*	K. Magel	1	3
774	Topics of Digital Enterprise – *DCE*	K. Nygard	12	3
797	Master Paper	Faculty		
798	Master Thesis	Faculty		
799	Doctorial Dissertation	Faculty		

Enrollment and FTE Data

STUDENT RATING OF INSTRUCTION RESULTS 2013-2014

FALL, 2013 and SPRING 2014

Questions	VG	G	IB	P	VP	OMIT	DEPARTMENT LEVEL Mean S.D. #R		
100 TO 200 LEVEL									
1. Your satisfaction with the instruction in this course.	29.1	44.5	17.4	6.6	2.2	0.3	4.114	0.905	1815
2. The instructor as a teacher.	32.5	40.4	17.8	6.8	2.4	0.2	4.151	0.929	1816
3. The ability of the instructor to communicate effectively	28.0	36.4	21.9	9.9	3.5	0.4	4.007	1.005	1812
4. The quality of this course	27.0	44.5	18.8	7.9	1.6	0.3	4.031	0.926	1816
5. The fairness of procedures for grading this course.	44.2	40.3	10.1	4.4	0.9	0.2	4.326	0.819	1815
6. Your understanding of the course content.	29.4	45.9	18.7	3.6	1.9	0.6	4.070	0.872	1813

Questions	SA	A	N	D	SD	OMIT	DEPARTMENT LEVEL Mean S.D. #R		
7. Instructor created an atmosphere conducive to learning.	30.1	43.1	19.7	4.6	1.4	1.0	4.118	0.864	1381
8. Instructor provided well-defined course objective.	31.1	49.2	13.0	4.8	1.1	0.8	4.176	0.819	1383
9. Instructor provided content/materials clear/organized	30.6	44.8	16.6	6.0	0.9	1.0	4.118	0.884	1380
10. I understood how grades were assigned in this course.	40.0	43.6	10.9	3.5	1.1	0.9	4.118	0.884	1380
11. I met/exceeded the course objectives for this course	31.5	48.7	15.9	2.0	1.0	0.9	4.144	0.774	1379
12. Instructor was available to assist students outside class	39.2	39.4	16.6	2.9	1.0	0.8	4.223	0.813	1383
13. Instructor provided feedback in a timely manner.	33.6	43.3	16.4	4.6	1.1	0.9	4.156	0.833	1382
14. Instructor provided relevant feeback that helped me learn	30.7	41.4	19.9	5.2	1.9	0.8	4.061	0.884	1383
15. Instructor set + maintained high standards for students	27.5	46.9	20.7	3.4	0.7	0.8	4.066	0.791	1382
16. Physical environment was conducive to learning	30.5	43.3	18.8	4.9	1.6	1.0	4.047	0.877	1381

Questions	VG	G	IB	P	VP	OMIT	DEPARTMENT LEVEL Mean S.D. #R		
300 TO 400 LEVEL									
1. Your satisfaction with the instruction in this course.	45.1	41.4	10.1	2.4	0.5	0.5	4.114	0.905	1815
2. The instructor as a teacher.	49.0	39.1	8.8	1.7	1.0	0.5	4.151	0.929	1816
3. The ability of the instructor to communicate effectively	42.4	40.6	12.6	3.0	0.5	0.8	4.007	1.005	1812
4. The quality of this course	38.0	41.8	14.8	4.2	0.8	0.3	4.031	0.926	1816
5. The fairness of procedures for grading this course.	53.2	37.0	6.9	1.9	0.5	0.5	4.326	0.819	1815
6. Your understanding of the	35.9	45.3	14.1	3.0	1.3	0.3	4.037	0.892	1945

Questions	SA	A	N	D	SD	OMIT	DEPARTMENT LEVEL Mean	S.D.	#R
course content.									
7. Instructor created an atmosphere conducive to learning.	44.2	42.4	9.6	1.8	0.5	1.5	4.118	0.864	1381
8. Instructor provided well-defined course objective.	45.7	42.1	9.1	1.5	0.0	1.5	4.176	0.819	1383
9. Instructor provided content/materials clear/organized	45.9	37.1	11.9	2.8	0.8	1.5	4.118	0.884	1380
10. I understood how grades were assigned in this course.	49.5	40.1	7.1	1.3	0.5	1.5	4.279	0.805	1382
11. I met/exceeded the course objectives for this course	33.8	50.3	12.2	2.3	0.0	1.5	4.144	0.774	1379
12. Instructor was available to assist students outside class	42.9	45.2	8.9	1.5	0.0	1.5	4.223	0.813	1383
13. Instructor provided feedback in a timely manner.	39.3	49.7	8.4	0.8	0.3	1.5	4.156	0.833	1382
14. Instructor provided relevant feeback that helped me learn	34.5	49.7	12.4	2.0	0.0	1.5	4.061	0.884	1383
15. Instructor set + maintained high standards for students	29.9	51.8	16.0	0.8	0.0	1.5	4.066	0.791	1382
16. Physical environment was conducive to learning	31.2	45.4	18.0	3.6	0.3	1.5	4.037	0.892	1945

Questions	VG	G	IB	P	VP	OMIT	DEPARTMENT LEVEL Mean	S.D.	#R
600 TO 700 LEVEL									
1. Your satisfaction with the instruction in this course.	60.6	32.7	5.3	0.4	0.9	0.0	4.114	0.905	1815
2. The instructor as a teacher.	67.3	27.0	4.9	0.0	0.9	0.0	4.151	0.929	1816
3. The ability of the instructor to communicate effectively	66.4	24.3	8.0	0.0	1.3	0.0	4.007	1.005	1812
4. The quality of this course	60.6	29.2	8.4	0.9	0.9	0.0	4.031	0.926	1816
5. The fairness of procedures for grading this course.	64.2	27.4	6.6	0.4	0.9	0.4	4.326	0.819	1815
6. Your understanding of the course content.	46.9	44.2	7.5	0.0	1.3	0.0	4.070	0.872	1813

Questions	SA	A	N	D	SD	OMIT	DEPARTMENT LEVEL Mean	S.D.	#R
7. Instructor created an atmosphere conducive to learning.	63.0	33.6	2.5	0.0	0.0	0.0	4.118	0.864	1381
8. Instructor provided well-defined course objective.	60.5	34.5	4.2	0.8	0.0	0.0	4.176	0.819	1383
9. Instructor provided content/materials clear/organized	66.4	24.4	7.6	0.0	0.8	0.8	4.118	0.884	1380
10. I understood how grades were assigned in this course.	61.3	36.1	1.7	0.8	0.0	0.0	4.279	0.805	1382
11. I met/exceeded the course objectives for this course	52.1	41.2	4.2	0.0	0.0	2.5	4.144	0.774	1379
12. Instructor was available to assist students outside class	60.5	35.3	4.2	0.0	0.0	0.0	4.223	0.813	1383
13. Instructor provided feedback in a timely manner.	60.5	32.8	5.0	1.7	0.0	0.0	4.156	0.833	1382
14. Instructor provided relevant feeback that helped me learn	58.8	36.1	4.2	0.0	0.8	0.0	4.061	0.884	1383
15. Instructor set + maintained high standards for students	57.1	35.3	6.7	0.0	0.0	0.8	4.066	0.791	1382
16. Physical environment was conducive to learning	59.7	38.7	1.7	0.0	0.0	0.0	4.047	0.877	1381

C. OUTREACH

Cooperative Education:

Placement Summary Fall 2013, Spring 2104, Summer 2014

Last Name	First Name	Employer	Work Term	City	State	Job Type
Zheng	Songtao	TEKsystems	Fall 2013	Edina	Minnesota	Full-time Coop
Ahmed	Syed	Microsoft Corporation	Fall 2013	Fargo	North Dakota	Full-time Coop
Gautam	Pooja	MB Schoen & Associates	Fall 2013	Fargo	North Dakota	Part-time Coop
Gupta	Divya	infoNERO	Fall 2013	Fargo	North Dakota	Part-time Coop
Gupta	Munmun	Multiband Corporation	Fall 2013	Fargo	North Dakota	Full-time Coop
Harikrishnan	Deepthi	infoNERO	Fall 2013	Fargo	North Dakota	Full-time Coop
Madamanchi	Devi	Intelligent InSites	Fall 2013	Fargo	North Dakota	Part-time Coop
Mucha	Nithisha	Loyalty Methods, Inc	Fall 2013	Seattle	Washington	Full-time Coop
Pachaiyappan	Sathya	Goldmark Property Management	Fall 2013	Fargo	North Dakota	Full-time Coop
Rajan	Prateek	Deep Forest Media	Fall 2013	Palo Alto	California	Part-time Coop
Roy	Arjun	Crescent Electric Supply Company	Fall 2013	Dubuque	Illinois	Part-time Coop
Sen	Souvik	Emerson Process Management - Process Systems & Solutions	Fall 2013	Edin Prairie	Minnesota	Full-time Coop
Shevkar	Rupali	Open Access Technology Int'l, Inc. (OATI)	Fall 2013	Minneapolis	Minnesota	Full-time Coop
Singh	Abhinav	Azket E-Intelligence LLC	Fall 2013	Irving	Texas	Part-time Coop
Singh	Abhinav	Open Access Technology Int'l, Inc. (OATI)	Fall 2013	Minneapolis	Minnesota	Part-time Coop
Tripathi	Snnahill	Open Access Technology Int'l, Inc. (OATI)	Fall 2013	Minneaspolis	Minnesota	Full-time Coop
Valluru	Srikanth	BAVE Technologies Inc.	Fall 2013	Austin	Texas	Full-time Coop
Xu	Xing	Intelligent InSites	Fall 2013	Fargo	North Dakota	Part-time Coop
Yang	Yingjie	TEKsystems	Fall 2013	Minneapolis	Minnesota	Full-time Coop
Agarwal	Palak	Tech Mahindra Americas Inc	Spring 2014	Fargo	North Dakota	Full-time Coop
Chitkara	Karan	Open Access Technology Int'l, Inc. (OATI)	Spring 2014	Minneapolis	Minnesota	Full-time Coop
Gautam	Pooja	MB Schoen & Associates	Spring 2014	Fargo	North Dakota	Part-time Coop
Ginjala	Anisha	AVCO Consulting, Inc.	Spring 2014	Worcester	Massachusetts	Part-time Coop
Gupta	Divya	infoNERO	Spring 2014	Fargo	North Dakota	Full-time Coop
Harikrishnan	Deepthi	Nic Info Tek Inc.	Spring 2014	Temple Terrace	Florida	Part-time Coop
Mehta	Puneet	Fargo Solutions Inc.	Spring 2014	Fargo	North Dakota	Part-time Coop
Mucha	Nithisha	Loyalty Methods, Inc	Spring 2014	Seattle	Washington	Full-time Coop
Shevkar	Rupali	Open Access Technology Int'l, Inc. (OATI)	Spring 2014	Minneapolis	Minnesota	Part-time Coop
Singh	Abhinav	Indiana University	Spring 2014	Bloomiington	Indiana	Full-time Coop
Tripathi	Snnahill	Open Access Technology Int'l, Inc. (OATI)	Spring 2014	Minneapolis	Minnesota	Full-time Coop
Agarwal	Palak	Tech Mahindra Americas Inc	Summer 2014	Fargo	North Dakota	Full-time Coop
Bhattacharyya	Krittika	The Toro Company	Summer 2014	Bloomington	Minnesota	Full-time Coop
Durgapathi	Yashwanth Goud	BAVE Technologies Inc.	Summer 2014	Austin	Texas	Full-time Coop
Gaur	Himanshu	Emerson Process Management - Process Systems & Solutions	Summer 2014	Eden Prairie	Minnesota	Full-time Coop
Gautam	Pooja	Claricode, Inc.	Summer 2014	Needham Heights	Massachusetts	Full-time Coop
Ghosh	Priyanka	The Toro Company	Summer 2014	Bloomington	Minnesota	Full-time Coop
Ginjala	Anisha	AVCO Consulting, Inc.	Summer 2014	Worcester	Massachusetts	Part-time Coop
Gupta	Divya	infoNERO	Summer 2014	Fargo	North Dakota	Full-time Coop
Hegde	Shishir	Sanford Health	Summer 2014	Fargo	North Dakota	Full-time Coop
Kolte	Deepak	Open Access Technology Int'l, Inc. (OATI)	Summer 2014	Minneapolis	Minnesota	Full-time Coop
Lu	Zhou	Open Access Technology Int'l, Inc. (OATI)	Summer 2014	Minneapolis	Minnesota	Full-time Coop
Mehta	Puneet	Fargo Solutions Inc.	Summer 2014	Fargo	North Dakota	Full-time Coop
Moparthi	Rashmi	Starkey Hearing Technologies	Summer 2014	Eden Prairie	Minnesota	Full-time Coop
Rastogi	Aakanksha	Open Access Technology Int'l, Inc. (OATI)	Summer 2014	Minneapolis	Minnesota	Full-time Coop
Sen	Souvik	Blue Cross Blue Shield of ND	Summer 2014	Fargo	North Dakota	Full-time Coop

Department Employment of graduates:

Fall 2013
Graduate Teaching Assistants –

Graduate Teaching Assistant	Course
Anurag Goswami	CSCI 114
Himanshu Gaur	CSCI 114
Elizabeth Noel	CSCI 114
Tyler Brazier	CSCI 114
Janet Fleming	CSCI 114
Janet Fleming	CSCI 114
Ashraf Kamel	CSCI 116
Deepak Kolte	CSCI 116
Kevin Bauer	CSCI 116
Rami Alroobi	CSCI 116
Sowjanya Mattaparthi	CSCI 116
Krittika Bhattacharayya	CSCI 116
Nazia Zaman	CSCI 122
Damian Lampl	CSCI 122
Farah Kandah	CSCI 159

Fall 2013
Graduate Assistants (Tutors)

Pooja Gautam	CSCI 114
Min Chen	CSCI 114
Khalid Alemerien	CSCI 116
Wen Cheng	CSCI 116
Aakkansksha Rastogi	CSCI 160
Depak Dawar	CSCI 160
Palak Agarwal	CSCI 160
Srikanth Valluru	CSCI 366

Fall 2013
Graduate Assistants (Graders/Tutors)

Alekya Peruri	MD Hossain
Priyanka Ghosh	Rashmi Moparthi
Yijun Wang	Nitendra Gautam
Divya Gupta	Yashwanth Durgapathi
Devi Madamanchi	Rajesh Subramaniam
Huang Zheng	Yasvant Karnati
Harshada Gandhi	Divya Muttineni
Maryam Roudaki	Priyanka Manne
Anisha Ginjala	MD Hossain

Yang Lu	Syed Udden Ahmed

Spring 2014
Graduate Teaching Assistants –

Graduate Teaching Assistant	Course
Anurag Goswami	CSCI 114
Elizabeth Noel	CSCI 114
Elizabeth Noel	CSCI 114
Himanshu Gaur	CSCI 114
Wen Cheng	CSCI 114
Wen Cheng	CSCI 114
Ashraf Kamel	CSCI 116
Kritta Bhattacharyya	CSCI 116
Sirisha Veeraganta	CSCI 116
Rami Alroobi	CSCI 116
Sowjanya Mattaparthi	CSCI 116
Damian Lampl	CSCI 159

Spring 2014
Graduate Assistants (Tutors)

Pooja Gautam	CSCI 114
Cady Sijapati	CSCI 114
Min Chen	CSCI 116
Khalid Almerien	CSCI 116
Damain Lampl	CSCI 122
Rahaf Barakat	CSCI 160
Akanshsha Rastogi	CSCI 160
Rashmi Moparthi	CSCI 160
Zheng Huang	CSCI 161
Rajesh Subramaniam	CSCI 161
Priyanka Ghosh	CSCI 161
Alex Rademacher	CSCI 445

Spring 2014
Graduate Assistants (Graders)

Talukar Asgar	Nitendra Gautam
Bilal Al-Ahmad	Babitha Battu
Zhou Lu	Souvik Sen
Syed Udden Ahmed	Cady Sijapati
Maryam Roudaki	Deepak Kolte
Mourya Reddy	Deepak Dawar
Sai Guthi	Yashwanth Durgapathi
Alekya Peruri	Hanzhe Li
Yijun Wang	Avijeet Tomer
MD Hossain	
Yang Lu	

Masters Students:

Ahmed, Syed Kutub Uddin
Amanchi, Srinivas
Andersen, Zechariah
Annadi, Ramakanth
Bauer, Kevin
Bhattacharyya, Krittika
Bouret, Megan
Brazier, Tyler
Chen, Min
Chintapalli, Veera
Chowdhury, Md. Minhaz
Dandey, Santosh
Dawar, Deepak
Dayala, Divya
Dinesh Singh, FNU
Durgapathi, Yashwanth
Dutta, Anubrata
Emamian, Peyman
Gadiparthi, Sudheer
Gaganapalli, Srikanth
Gaur, Himanshu
Ghosh, Priyanka
Ginjala, Anisha
Hegde, Reshma
Helsene, Adam
Kapoor, Raghav
Kariluoma, Matti
Kaparthi, Nikhitha
Karnati, Yasvant
Khandelwal, Ruchi
Khosla, Sourabh
Koluru, Sunil
Kolte, Deepak
Kroshus, John
Kundur, Anuroop
Lampl, Damian
Li, Shuhang
Lu, Zhao

Madamanchi, Devi
Mahabaleshwar, Mahesh
Manne, Priyank
Mao, Xiaoli
Mattaparthi, Sowjanya
Mesich, Bryan
Moparthi, Rashmi
Mucha, Nithisha
Mudgal, Akshay
Muttineni, Divya
Nuthulapati, Sri Lalith
Olson, Nathan
Param, Sowjanya
Peruti, Alekya Kumar
Phadke, Swapna
Radermacher, Alex
Rajan, Prateek
Reddy, Vijay Reddy
Rehman, Sana
Roudaki, Maryam
Saha, Barsha
Sambaraju, Sharath
Sen, Sourya
Shevkar, Rupali
Singh, Manish
Singh, Rajat
Singh, Sonal
Somavarapu, Murali
Soni, Gaurav
Subramaniam, Rajesh
Vafaei, Fereydoon
Valluru, Srikanth
Wang, Di
Xu, Xing John
Yang, Yingjie
Zhu, Ya

SOFTWARE ENGINEERING MASTERS/MSE PROGRAM

CERT: Collins, Christopher

CERT: Olson, April

CERT: Erickson, Steven

CERT: Pietrowski, Todd

CERT: Nguyen, Austin

MSE – Ahmed, Syed
MSE – Bajracharya, Nooresh
MSE – Barber, Michael
MSE – Bawa, Navdeep
MSE – Bischoff, Nancy
MSE – Chagonda, Arthur
MSE – Gali, Joseph
MSE – Gandhi, Harshada
MSE - Gemuend, Thomas
MSE – Gurram, Samyukha
MSE – Hegde, Shishir
MSE – Heiser, Carolyn
MSE – Kanaparthi, Ganga
MSE – Kim, Haram
MSE – Kumar, Mukesh
MSE – Maharjan, Binod
MSE - McIntyre, Scott
MSE – Mehrotra, Surbhit
MSE – Mishra, Nikita
MSE – Munowenyu, Joseph
MSE – Nimmo, Eric
MSE – Olfert, Janet
MSE – Poindexter, James
MSE – Rashid, Rumana
MSE – Rastogi, Aakanksha
MSE - Rathnaweera, Obinamuni
MSE – Reddymalla, Srinivasreddy
MSE – Rindfleisch, Joel
MSE – Saharan, Santosh
MSE – Selimovic, Migdad
MSE – Sheoran, Deepak
MSE – Silber, Daniel
MSE – Singh, Ashish Kumar
MSE – Sthapit, Manish
MSE – Synkowski, Lee
MSE – Tomar, Anil
MSE – Veeraganta, Sirisha
MSE - Venkataramani, Ganesh

SOFTWARE ENGINEERING MASTERS PROGRAM

Abeyratne, Keith

Agarwal, Abhishek

Agarwal, Palak

Arora, Amit

Chhina, Ramneet

Christeson, Eric

Elhassani, Abdelhadi

Fonseka, Nilukshi

Gautam, Pooja

Grant, James

Gupta, Divya

Gupta, Nimish

Goswami, Anurag

Hall, Jared

Harikrishnan, Deepthi

Hassan, Amro

Huang, Zheng

Jahan, Farzana

Kamel, Ashraf

Karan, Chitkara, FNU

Kwete, Yannick

Lu, Yang

Mehta, Puneet

Minot, Scott

Noel, Elizabeth

Pachaiyappan, Sathya

Pandey, Anand

Patel, Parita

Puri, Rahul

Roudaki, Ali

Sathiaseelan, Anu Evelyn

Sharma, Aditi

Sharma, Rahul

Sharma, Sonu

Sijapati, Cady

Simley, Judi

Singh, Abhinav

Srichinta, Pallavi

Stone, Jason

Sun, Liren

Syed, Naveed

Tripathi, Snnahill

Wang, Yijun

PhD STUDENTS:

Aljarah, Ibrahim

Al-Madi, Nailah

Alroobi, Rami

Battu, Babitha

Borchert, Otto

Chakravarthi, Satheesh

Chatterjee, Arijit

Cheng, Wen

Chitraranjan, Charith

Dass, Pranav

Goparaju, Aditya

Hossain, Mohammad

Kambhampaty, Krishnan

Konar, Prosenjit

Kong, Lingchao

Loree, Paul

Pouriyeh, Seyed

Roy, Arjun

Seetan, Raed

Sweet, Joshua

Yan, Peng

Zaman, Nazia

SOFTWARE ENGINEERING PHD

Aceituna, Daniel

Al-Ahmad, Bilal

Alemerien, Khalid

Alenezi, Mamdouh

Anderson, Jeffrey

Attaalah, Abdulaziz

Barakat, Rahaf
Chen, Min
Eda, Madhusudana
Goswami, Anurag
Hettiarachchi, Charitha
Higgs, Dewayne
Kotala, Pratap

Lacher, Lisa
Murugaiyan, Elangovan
Obeidat, Qasem
Radermacher, Alex
Salam, Tareq
Williams, Robert

Computer Science Department Enrollment Data

AY	Enrollment Fall 2013					Total UG	Total Grad	Total Degrees Fall 13/Spring 2014		
	1st FR	2nd SO	3rd JR	4th SR				BS/BA	MS Comp Sc. Software	PhD Comp Sc. Software
2013 - 2014	85	77	79	80		321	201	41/4	25/18	5/3
2012 - 2013	82	65	54	95		296	209	76/7	30/5	4/0
2011 - 2012	75	47	59	95		276	217	47/5	30/5	4/0
2010- 2011	68	63	55	74		267	210	38/2	26/6	0/1
2009 - 2010	71	55	48	79		253	197	38/2	20/6	1/1
2008- 2009	66	54	44	84		248	187	40/3	17/4	1/1

Summer Semester, 2013	Degree
Ahuja, Sarthak	MS
Chao, Meng	MS
Garg, Bandana	MS
Ginjupalli, Siva	MS
Paturu, Raghunatha Rao	MS
Singh, Saumya	MS
BouGhosn, Steve	PHD
Roudaki, Amin	PHD
Zhao, Jingjun	PHD
Alemerien, Khalid	MS - SE
Sayaka, Malinda	MS - SE
Gunderson, Karl	MS - SE
Gupta, Swati	MS - SE
Hossain, MD	MS - SE
Joshi, Kailash	MS - SE
Kohli, Jyotjeev	MS - SE
Roudaki, Ali	MS - SE
Schwartz, Amanda	PHD - SE
Agarwal, Ruhi	MSE
Bhardwaj, Vidushi	MSE
Sharma, Prayash	MSE
Fall Semester, 2013	Degree
Lampl, Damian	MS
Somavarapu, Murali	MS
Chintapalli, Veera Venkata	MS
Dandey, Santosh	MS
Mudgal, Akshay	MS
Hegde, Reshma	MS
Singh, Sonal	MS
Dutta, Anubrata	MS
Singh, Manish	MS
Zhu, Ya	MS
Kundur, Anuroop	MS
Saha, Barsha	MS
Vafaei, Fereydoon	MS
Dawar, Deepak	MS
Yan, Peng	PHD
Rathnaweera, Obinamuni	MSE - SE

Rajendran, Senthil Kumar	MSE- SE
Sthapit, Manish	MSE - SE
Minot, Scott	MS - SE
Collins, Christopher	CERT - SE
Spring Semester, 2014	**Degree**
Kariluoma, Matti	MS
Sambaraju, Sharath	MS
Dayala, Divya	MS
Amanchi, Srinivas	MS
Gadiparthi, Sudheer	MS
Al-Madi, Nailah	PHD
Aljarah, Ibrahim	PHD
Hall, Jared	MS - SE
Srichinta, Pallavi	MS - SE
Gupta, Munmun	MS - SE
Jahan, Farzana	MS - SE
Sharma, Sonu	MS - SE
Kwete, Yannick	MS - SE
Gupta, Nimish	MS - SE
Khosla, Sourabh	MS - SE
Pandey, Anand Swaroope	MS - SE
Bender, Lisa	PHD - SE
Obeidat, Qasem	PHD - SE
Tomar, Anil	MSE - SE
Kanaparthi, Ganga Srinivas	MSE - SE
Reddymalla, Srinivasreddy	MSE - SE
Synkowski, Lee	MSE - SE
Gali, Joseph	MSE - SE
Venkataramani, Ganesh	MSE - SE