

Timestamp	Client / Company / Organi	Submitter (name)	Submitter (email)	Project Point of Contact (nProject Point of Contact (eProject Title	Project Abstract	Expected Deliverables	Specialized Resources	Financial Resources	Prov Enter the Preferred Student Special Skills (if any) Req Anticipated Client Interacti	Preferred Client Interactor/Required F2F Interaction	Team composition	
1/28/2020 16:31:02	Cornerstone Strategies, LLC	Rachel R. Watkins	Schoercher@cornerstonestrategies.com	Chris James	Interactive Secure HeadsProject Overview: DevelopDeliverable 1: Display profSecure testing knowledge As a start-up, we will provi	1,000 Computer Engineering, Software Engineering	1 meeting per week		Web / video conferencing	Moderate	EE 1; CPRE 3; SE 1; CyE1	
6/25/2020 12:50:48	True360, Inc.	Chris James	chris@true-360.com	Chris James	Immersive Experiences for True360, a startup based i	Management up to three came	Supplier partnership with	\$1,000	Computer Engineering, Software Engineering	1 meeting per week	CPRE 3; SE 3;	
9/28/2020 12:13:57	Magnet Army Company	Dennis O'Neil	dono2011@yahoo.com	Dennis O'Neil	Develop Sensor for MagnContinuation of 2019/2020Develop functional Sensor All Hydraulic Oil Filters are	Small Digital Stethoscope This project deals with the A prototype unit that demonstrate the intended functionality.	Electrical Engineering, Computer Engineering, Software	1 meeting per week	Web / video conferencing	Moderate	EE 2; CPRE 2-3;	
6/30/2020 05:52:10	TBD	Ashfaq Khokhar	ashfaq@iastate.edu	Ashfaq Khokhar					Web / video conferencing	Moderate	EE 2; CPRE 4;	
7/23/2020 9:43:08	Burns & McDonnell	Brian Obermeier	bobermeier@burnsmcd.com	Kelly Kelly	138KV Cyclone SubstationPlease see attached proje Please see attached proje All needed resources will t		0	Electrical Engineering	1 meeting per week		EE 6;	
7/23/2020 15:10:51	Jungam Zambreno	Jungam Zambreno	zambreno@iastate.edu	Jungam Zambreno	AR Chess Advisor The goal of this project is IAR application targeting Google Glass or comparable.Sufficient funds for purcha	Electrical Engineering, Computer Engineering, Software	1 meeting per week		Web / video conferencing	None	CPRE 2-4; SE 2-4;	
7/27/2020 10:08:05	Dwoita	Benjamin Blakely	bbakely@dwoita.com	Benjamin Blakely	PenTest a Payment Providi Dwoita is a company that I will meet every other vAccess to the Sandbox (or None required). It is expectComputer Engineering, ScExperience participating in 2 or more meetings per mxWeb / video conferencing				Web / video conferencing	None	CPRE 2; SE 2; CyE 2;	
7/29/2020 16:28:44	ISU Center for Non-destructive Testing	Mohammad Tayeb Al Qasbi	alqasbi@iastate.edu	Mohammad Tayeb Al Qasbi	Small rotor-craft obstacle (Overhead power lines and First Semester will involve University) has all the software packages and laborat	Electrical Engineering, Co RF design, PCB design, F	1 meeting per week		In person		EE 4; CPRE 2;	
8/1/2020 16:58:22	The Boo Radley Foundation	Zhan Zhang	zhan@iastate.edu	Zhan Zhang	Develop Sensor for MagnContinuation of 2019/2020Develop functional Sensor All Hydraulic Oil Filters are	Small Digital Stethoscope This project deals with the A prototype unit that demonstrate the intended functionality.	Electrical Engineering, Computer Engineering, Software	1 meeting per week	Web / video conferencing	None	EE 1; CPRE 3; SE 2;	
8/11/2020 17:25:18	Iowa State University	Akhilesh Tyagi	tyagi@iastate.edu	Akhilesh Tyagi	Institution Level Reverse Goals: Reverse engineer a Machine learning, signal c Some embedded system board of ARM M4-M7 class	Electrical Engineering, Computer Engineering, Software	1 meeting per week		Web / video conferencing	Moderate	EE 1; CPRE 3; SE 1; CyE1;	
8/11/2020 17:32:49	Iowa State University	Akhilesh Tyagi	tyagi@iastate.edu	Akhilesh Tyagi	Dynamic Programming Ba CFI is an inverse atrbuA dynamic programming ban FPGA board.	Computer Engineering, ScOptimization, FPGA progr	1 meeting per week		Web / video conferencing	None	CPRE 2; SE 2-3; CyE 1-2;	
8/12/2020 17:21:08	Bratney Company	Gabe Sweers	gabe.sweers@bratney.com	Chad Dobbs	Visual Imaging Plastic Res Two decades ago cotton A project schedule would be We have a complete unit / TBD/As needed	Electrical Engineering, Co Raspberry Pi experience	2 or more meetings per mxOver the phone		None to moderate		CPRE 4-5; SE 1-2;	
8/12/2020 14:37:51	Cheng Huang	Cheng Huang	chengh@iastate.edu	Cheng Huang	Smart Water Leak ShutOff According to home A complete system with H Hardware including internet connected water shut-off (V	Electrical Engineering, Co To complete the project, #2 or more meetings per mxWeb / video conferencing			Web / video conferencing	Moderate	EE 2; CPRE 3-4; SE 0-1;	
8/13/2020 17:20:46	Department of Biochemistry	Stoney Stone	stone@iastate.edu	Stoney Stone	Biochemistry Virtual Lab SBiochemistry lab courses i A virtual system is expected Instructor of the BEM102/NA	Computer Engineering, ScFamiliar with REACT or sa	1 meeting per week		Web / video conferencing	None	CPRE 2-3; SE 4;	
8/13/2020 21:37:04	Iowa State University	Hongwei Zhang	hongwei@iastate.edu	Hongwei Zhang	Open-Source Prototyping) As a next milestone in vena Tentative project roadmap Hardware and software colResearch fund to support	Electrical Engineering, Co Image processing, machin	1 meeting per week		Web / video conferencing	None	CPRE 4-5; SE 1-2;	
8/14/2020 6:29:58	Henry Duwe	Henry Duwe	duwe@iastate.edu	Henry Duwe	Wake-up Hardware Desig The Internet of Things (IoCircuit schematic and PCE * Lab has PowerCat transmitters and receivers to	Computer Engineering, Software Engineering	1 meeting per week		Web / video conferencing	None	EE 6;	
8/14/2020 6:58:27	Henry Duwe	Henry Duwe	duwe@iastate.edu	Henry Duwe	Debugger and Visualizer z R research group has b * Debugger hardware se * Lab has PowerCat transmitters and receivers to	Computer Engineering, Software Engineering	1 meeting per week		Web / video conferencing	None	CPRE 3; SE 3;	
8/14/2020 11:01:54	Cylosoft	Andrew Dakin	andrew@cylosoft.com	Andrew Dakin	Cylosoft WAF AI Cylosoft designs, codes, a Application to read logs an Real Cloudflare and websi Ok	Software Engineering, CyWeb service, database, AI2 or more meetings per mxIn person	none		none		SE 3-4; CyE 2-3;	
8/14/2020 11:05:17	Cylosoft	Andrew Dakin	andrew@cylosoft.com	Andrew Dakin	Webserver Attack BlockingCylosoft designs, codes, a IIS module or windows axExample IIS log, Hosting R Ok	Software Engineering, CyUnderstanding of hosting	2 or more meetings per mxIn person		none		SE 3-4; CyE 2-3;	
8/14/2020 11:20:27	Rowe Electronics	Scott Johnson	sjohnson@rowe-electronic.com	Scott Johnson	Internet Control/ Control Goal of the project is to del would like to see a coded bill of material with support Ok Do the recent down turn	Electrical Engineering, Co Ability to use Eagle, Soltdw	2 or more meetings per mxWeb / video conferencing		Moderate		EE 2-3; CPRE 3-4;	
8/14/2020 12:21:11	Meng Lu	Meng Lu	mengl@iastate.edu	Meng Lu	Rapid prediction of bacter Determination of antimion 1. A trained machine learn The client will provide the	\$500	Electrical Engineering, Co Image processing, machin	1 meeting per week		Web / video conferencing	None	EE 2-3; CPRE 3-4;
8/14/2020 13:32:09	Mat Wymore	Mat Wymore	mwymore@iastate.edu	Mat Wymore	Take a Virtual Hike The COVID-19 pandemic September 2020: barobon NOne	Computer Engineering, ScProgramming	1 meeting per week		Web / video conferencing	None	CPRE 3; SE 3;	
8/14/2020 14:40:44	Stellar Industries	Nathan Meyer	nmeyer@stellariid.com	Nathan Meyer	Crane Positional Sensor Goal of the project is to Prototype Sensor and inter Stellar crane and control s	\$2,000	Electrical Engineering, Co Electrical Hardware desig	2 or more meetings per mxWeb / video conferencing	Moderate		EE 4; CPRE 2;	
8/14/2020 15:59:37	Bulldertrend	Amanda Dropinski	amanda.dropinski@bulldertrend.com	Amanda Dropinski	Creating the New Face of BT is moving to the a "service Project team will deliver c The Bulldertrend team will provide documentation and	Software Engineering	1 meeting per week		Web / video conferencing	None	CPRE 0-2; SE 4-6;	
8/14/2020 16:09:04	Bulldertrend	Amanda Dropinski	amanda.dropinski@bulldertrend.com	Amanda Dropinski	State Site Generation We want to provide an esBuild out of initial Next i templates in react - Home, Blank, Gallery, Showcase, Software Engineering	1 meeting per week			Web / video conferencing	None	CPRE 0-2; SE 4-6;	
8/14/2020 16:24:37	Gelli Ravikumar	Gelli Ravikumar	gelli@iastate.edu	Gelli Ravikumar	Cloud/DBMS: Cloud-based This project aims to design 1) Software codes and 2) Google Cloud Platform (G Yes, GCP resources as an	Electrical Engineering, Co Programming experience	1 meeting per week		Web / video conferencing	None	EE 1; CPRE 4; SE 1;	
8/14/2020 16:29:04	Gelli Ravikumar	Gelli Ravikumar	gelli@iastate.edu	Gelli Ravikumar	GR1AI: Cloud-based Mac This project aims to design 1) Software codes and 2) Google Cloud Platform (G Yes, GCP resources as an	Computer Engineering, ScProgramming experience	1 meeting per week		Web / video conferencing	None	EE 2; CPRE 3; SE 1;	
8/14/2020 16:31:12	Gelli Ravikumar	Gelli Ravikumar	gelli@iastate.edu	Gelli Ravikumar	AI-VVO: Cloud-based Mac This project aims to design 1) Software codes and 2) Google Cloud Platform (G Yes, GCP resources as an	Electrical Engineering, Co Programming experience	1 meeting per week		Web / video conferencing	None	EE 1; CPRE 4; SE 1;	
8/14/2020 16:34:31	Make to Innovate (M2I)	A-Phillip Jones	phjones@iastate.edu	A-Phillip Jones	Cybat: Satellite Mission D The goal of this project is i A working Satellite, Ground Mate to Innovate (M2-I) i	Electrical Engineering, Co Enjoy working on challenge	1 meeting per week		Web / video conferencing	Moderate	EE 1,2; CPRE 3-4;	
8/14/2020 18:04:53	Iowa State University	CCMyra Chen	mchen@iastate.edu	CCMyra Chen	Automated Configuration TBAS. The Department of Fast semester - develop i All tools used will be open source. Students will need	Computer Engineering, Software Engineering	1 meeting per week		Web / video conferencing	None	CPRE 0-2; SE 4-6;	
8/14/2020 18:59:12	Electrical and Computer E	Philip Jones	phjones@iastate.edu	Philip Jones	Miro-CART mini - Mirocart The main goal of the Miro-A mini-quadrupole platform and test rigs will be i This project may need ap	Electrical Engineering, Computer Engineering, Software	1 meeting per week		Web / video conferencing	Moderate	EE 2-3; CPRE 3-4;	
8/14/2020 19:14:58	Information Assurance Ce	Daji Gao and Doug Jacobs	djgao@iastate.edu	Daji Gao	Development of IoT-GDC The focus of the ISERGE i Integration and demonst iEEAGE environment, and funds to acquire physical	Computer Engineering, Sc3-5 Cpr E or S E or Cyber	1 meeting per week		Web / video conferencing	Moderate	CPRE 2; SE 2; CyE2;	
8/14/2020 20:16:38	Iowa State University	Hung Phan and Ai Jann	hphan@iastate.edu	Hung Phan and Dr. Ai Jann	Intelligent Code Editor with Code completion is a chatStudy on Natural Language tools and elements for Co Funding from Dr. Ai's lab	Computer Engineering, Software Engineering	1 meeting per week		Web / video conferencing	None	CPRE 2; SE 4;	
8/14/2020 20:30:41	gocet25@iastate.edu	Gocet Trajcevi	gocet25@iastate.edu	Gocet Trajcevi	Detecting and Predicting C Stellar evolution is a charact - Sep. 10. complete familia 2. Computer Engineering, Software Engineering	1 meeting per week			Web / video conferencing	None	CPRE 3; SE 3;	
8/14/2020 20:55:48	Iowa State University	Gocet Trajcevi	gocet25@iastate.edu	Gocet Trajcevi	Proximity vs. Diversity in i The problem of determin-Sep. 10. complete familiarization with the datasets used for the projects.-Oct. 1	Computer Engineering, Software Engineering	1 meeting per week		Web / video conferencing	None	CPRE 2-3; SE 3-4;	
8/14/2020 22:08:54	Iowa State University	Chandan Kumar	chandan@iastate.edu	Chandan Kumar, Ai Jann	Automatic labeling i metadata We are building a dataset - Sep. 10. Algorithm to automatically annotate all objects from any image - Extension of i	Computer Engineering, Software Engineering	1 meeting per week		Web / video conferencing	None	CPRE 2-3; SE 3-4;	
8/14/2020 22:16:14	Swapp Lab/ Iowa State U	Deepak George Thomas	dgeorge@iastate.edu	Deepak George Thomas	Object Tracking using ReLA UAV should be able to i Development of the enviro We will give the students access to virtual GPUs	Computer Engineering, ScPython, Fundamentals of f1	1 meeting per week		Web / video conferencing	None	CPRE 3-4; SE 2-3;	
8/14/2020 22:34:41	Iowa State University	Anni Naras	anaras@iastate.edu	Anni Naras	Autonomous Vision-based Task completion in large introduction. Implement the existing algorithms and demonstrate compatibility with	Computer Engineering, ScC++, python	2 or more meetings per mxWeb / video conferencing		none		CPRE 3-4; SE 2-3;	
8/14/2020 23:07:07	Iowa State University	Gocet Trajcevi	gocet25@iastate.edu	Ashfaq Khokhar	Route-Constrained Family Consider a scenario in wh - Sep. 10. data models and data sources to be used.-Oct. 10. finalize the plan for	Computer Engineering, Software Engineering	1 meeting per week		Web / video conferencing	None	CPRE 3; SE 3;	
8/14/2020 23:26:19	Iowa State University	Hung Phan	hphan@iastate.edu	Hung Phan	A Part OT Speech tagger There are many researche Study elements of standard POS tagger - October 2 Funding from Com-ISU	Computer Engineering, Software Engineering	1 meeting per week		Web / video conferencing	None	CPRE 3; SE 3;	
8/15/2020 1:08:17	Mohamed Selim	Mohamed Selim	mysouss@iastate.edu	Mohamed Selim	Wireless Network Security This project is aiming to i The expected schedule is: N/A	Computer Engineering, ScThese students should have 2 or more meetings per mxWeb / video conferencing	none		Web / video conferencing	None	CPRE 3; CyE 3;	
8/15/2020 1:29:02	Mohamed Selim	Mohamed Selim	mysouss@iastate.edu	Mohamed Selim	Self-healing in 5G Network Self-healing is the execuThe expected schedule for N/A	N/A			Web / video conferencing	None	EE 1-2; CPRE 3; SE 1-2;	
8/15/2020 16:44:23	Black & Veatch	Patrick Kester	pkester@bv.com	Patrick Kester	115kV 34.5kV Solar Power Due to increasing Renewa * Equipment sizing Calcu Black & Veatch will provide 1000 pending internal app	Electrical Engineering A team of 4-5 electrical en	2 or more meetings per mxWeb / video conferencing		Web / video conferencing	None	EE 6;	
8/16/2020 22:11:25	Iowa State University	Alex Stoychev	astoychev@iastate.edu	Alex Stoychev	Visual Debugger for the Z The Z80 CPU was developVisual debugger for the Z80 Altera board that can be bNone	Computer Engineering, ScProgramming skills, Visual	2 or more meetings per mxWeb / video conferencing		Web / video conferencing	None	CPRE 3; SE 3;	
8/17/2020 13:25:53	PWC	Matt Weidman	matthew.a.weidman@pwc.com	Matt Weidman	AI Chat Environment Manu We seek to develop a app. 31: (1) System Req We can provide technical Currently we cannot comm	Computer Engineering, ScN/A	1 meeting per week		Web / video conferencing	None	CPRE / SE 2; CyE 2;	
8/17/2020 17:13:31	Akhilesh Tyagi/Embedded	Akhilesh Tyagi	tyagi@iastate.edu	Akhilesh Tyagi	Dancing Swarm of i Create Bird swarms are postulate (1) Navigation software for CPRE 288 Roomba platforms (3)	Computer Engineering, Software Engineering	1 meeting per week		Web / video conferencing	None	CPRE 6;	
8/17/2020 17:40:20	Iowa State University	Kristin Yornie Rozder	kyrozder@iastate.edu	Kristin Yornie Rozder	IoT Security Verification IoT devices pervade our en IoT Security Competition none	Software Engineering, ScGood knowledge of C prog	1 meeting per week		Web / video conferencing	None	CPRE 1-2; SE 2-3; CyE 2-3;	
8/17/2020 22:59:19	Iowa State University	Mari Mina	mmina@iastate.edu	Wei Shen Thah	High Speed Magnetic Field fundamental approach with proof of Access to test and measur	1000	Electrical Engineering Board design and prototy	1 meeting per week		In person	Moderate	EE 6;
8/18/2020 10:02:06	Collins Aerospace	Kathleen Knott	kathleen.knott@collins.com	Brendan Getz	Emergency! Need Back-U i Begin early design work o Requirements and Design NA	\$5,000	Electrical Engineering Problem solving, creativ	2 or more meetings per mxWeb / video conferencing	None		EE 6;	
8/18/2020 10:09:31	UnityPoint Health - Des	Vanessa Calderon, Sr. En	vanessa.calderon@unitypoint.org	Vanessa Calderon	Impatient Therapy Schedu Background: In 2014-2011-Scheduling program for u EPIC, the Electronic MedicAs is well understood, the	Computer Engineering, ScExcellent communication	2 or more meetings per mxWeb / video conferencing		none		CPRE 2; SE 4;	
8/18/2020 10:31:41	Collins Aerospace	Kathleen Knott	kathleen.knott@collins.com	Kathleen Knott	GenA XML Axi Software Many Collins avionics s yls Requirements and Design NA	\$5,000	Computer Engineering, ScProblem solving, creativ	2 or more meetings per mxWeb / video conferencing	None		CPRE 2; SE 4;	
8/18/2020 11:28:07	ANSU EPRC	Anne Kimber	akimber@iastate.edu	Anne Kimber	mobile microgrid for energy Project partners: SunCrats This real project is improva we will provide crata electrone	Electrical Engineering, Co Interest in renewable ener	1 meeting per week		Web / video conferencing	None to moderate	CPRE 1; EE 5;	
8/18/2020 12:39:35	Iowa State University	Gary Tuttle	gtuttle@iastate.edu	Gary Tuttle	Power supply design for a With the Covid-induced lin A complete design and working to design a printe d	\$100	Electrical Engineering, Computer Engineering	1 meeting per week		In person	None to moderate	EE 6;
8/18/2020 12:51	Iowa State University	Tom Daniels	tdaniels@iastate.edu	Tom Daniels	Learning Holiday Light Prcipior Holiday Light project, run the lights and learn	Electrical Engineering, Co One or more students com	1 meeting per week		Web / video conferencing	None to moderate	EE 2-3; CPRE 3-4;	
8/18/2020 13:26:16	Iowa State University	Gary Tuttle	gtuttle@iastate.edu	Gary Tuttle	Frequency response mea The current pandemic is i A complete design and working prototype of the syst	\$100	Electrical Engineering, Co Printed-circuit layout, Mic	1 meeting per week		In person	None to moderate	CPRE 1; EE 5;
8/18/2020 13:53:59	Iowa State University	Manimaran Govindarasu	gman@iastate.edu	Manimaran Govindarasu	CySe-Game, Cyber Risk The goal of this project is i Demonstrate the working t Technical expertise, com ISU project.	Computer Engineering, ScSoftware development, So	1 meeting per week		Web / video conferencing	None	CPRE 2-3; SE 2-3; CyE 1-2;	
8/18/2020 14:45:28	Iowa State University	Gocet Trajcevi	gocet25@iastate.edu	Gocet Trajcevi	Constrained Re-Planning i Spatial crowdsourcing (SC- Sep. 10. complete familia gocet25@iastate.edu	Computer Engineering, Software Engineering, Cyber	1 meeting per week		Web / video conferencing	None	CPRE 2-3; SE 2-3; CyE 1-2;	