

## 2022 Intel Cup ESDC Award List

No.	Class	University	Topics	Instructor	Student 1	Student 2	Student 3
1-01	Intel Cup	Shanghai Jiao Tong University	iGuard: An Intelligent Risk Early Warning System in Dangerous Working Environment	Geng Wang	Weihang Shen	Yutian Qiu	Zhe Jiang
1-02	First Prize	University of Electronic Science and Technology of China	Lighting---Shopping assistance for visually impaired users	Chun He	Da Li	Changran Luo	Caiyi Yan
1-03	First Prize	Hunan University	Wukong Heart: Rural Robot for Alzheimer's Patients	Yunchuan Qin	Haoran Xiao	Tingyuan Yang	Dashen Zhou
1-04	First Prize	East China Normal University	Intelligent Patrol Robot Designed for Smart Factory	Shaohua Zuo	Danni Gong	Panpan Shen	Jiaping Wang
1-05	First Prize	South China University of Technology	Multimodal 3D scene semantic mapping and intelligent inspection robot	Huabiao Qin	Ketong Chen	Yancheng Chen	Zhipeng Gu
1-06	First Prize	Nanjing University	"NIGHTHAWK" -- ENHANCED FULL-COLOR IMAGING IN LOW ILLUMINATION ENVIRONMENT	Chenglei Peng	Libenhua Cai	Weiyu Chen	Yufei Zhao
1-07	First Prize	Wuhan University	Intelligent Medical Assistant	Hong Zheng	Dawei Zhang	Yao Lin	Man Yuan
1-08	First Prize	Wuhan University	Intelligent Building Service Robot With Mapping	Huai Yu	Tianxiang Zhang	Ran Liu	Wei Zhang
1-09	First Prize	Xi' an Jiaotong University	The Intelligent Rehabilitation Training Auxiliary System	Ningyan Liu	Gengming Zhang	Jizhe Zhang	Jiaying Liu
2-01	Second Prize	National University of Singapore	PLANET-Personalized, Localized Artificial Neural Network	Rajesh C Panicker	Kwek Zhan Hao	Manzel Joseph Seet	NI Yilun
2-02	Second Prize	Beijing Jiaotong University	Flexible Foc Nucleic Acid Automatic Sampling System Based On Machine Vision	Chen, Xin	Cheng, Zhifang	Yang, Xuetian	Zhao, Mengqing
2-03	Second Prize	Beijing Institute of Technology	Fireeye Security -- Intelligent Fall Monitoring System	Wu, Qiongzhi	Zhong, Honghu	Gao, Enze	Xu, Chengke
2-04	Second Prize	Beijing University of Posts and Telecommunications	Time Traveler - Amuseum Metaverse Platform With The Theme Oftimeand Space Travel	Cui, Yansong	Zhu, Yuanqing	Chen, Meixin	Xu, Jing
2-05	Second Prize	Chengdu University of Technology	Personal Tailor---Intelligent interactive robot for science and Technology Museum	Heng Liu	Jiahui Liang	Weijing Qin	Yinchao Jian

2-06	Second Prize	University of Electronic Science and Technology of China	Tonghua	Jingshan Duan	Zhipei Wang	Jialong Li	Yike Lv
2-07	Second Prize	Northeastern University	Visual Mechanical Traction Assistance System Based On RGB-D Camera	She, Lihuang	Feng, Yuze	Tang, Jiankai	Zhu, Mo
2-08	Second Prize	Harbin Engineering University	Intelligent EM Signal Analysis and Interference Embedded System	Hou, Changbo	Wang, Yang	Guo, Jiming	Wang, Chenhao
2-09	Second Prize	Hangzhou Dianzi University	INTELLIGERNT TENNIS CADDIE ROBOT BASED ON MACHINE VISION	Jiye Huang	Jiada Mao	Wei Zhang	Zhentao Zhan
2-10	Second Prize	Hangzhou Dianzi University	AUTOMATIC DRAWING MACHINE BASED ON AR	Jiye Huang	Juntao Wu	Jiahan Ren	Ming Shen
2-11	Second Prize	Hohai University	"My Shape, I Shape": Intel AI-Box-based Intelligent Fitness Exercise Coaching System	Zaipeng Xie	Youhao Chen	Jianjie Zhou	Xuebin Ruan
2-12	Second Prize	South China University of Technology	Multimodal Physiological and Behavioral Data Fusion Based Mass Fitness Intelligent Guidance System	Xiangmin Xu	Guanlin Chen	Xinjie Shen	Yang Wu
2-13	Second Prize	Nanjing University	Facial recognition of painted faces	Yuxin Wang	Xinyue Wang	Zijian Qin	Yunye Cai
2-14	Second Prize	Tongji University	Epidemic prevention wizard	Dongdong Zhang	Jia Ma	Yi Liu	Zhenghao He
2-15	Second Prize	Wuhan University	Intelligent Diagnosis System for Cardiopulmonary Sound	Yinbo Xie	Zong Li	Zhaodong Tang	Yanru He
2-16	Second Prize	Xi' an Jiaotong University	Learning Status Assessment System Based on Emotion Analysis with Multimodal Information Input	Wei Chen	Chende Zheng	Jia Huo	Xuanyao Peng
2-17	Second Prize	Zhejiang University	MAKE LIVE GREAT AGAIN -- LIVE-STYLE REAL-TIME RENDERING SYSTEM BASED ON GNS-V40	Yuehai Wang	Ding Chen	Yufeng Jiang	Ziyang Chen
2-18	Second Prize	Central South University	"Pandemic Eye" -- Social distancing surveillance based on YOLOV4	Xianbai Mao	Yong Fang	Quanguai Li	Jianing Chang
3-01	Third Prize	Arizona State University	Traffic Simulation with Dynamic and Machine Learning Routing Prediction	Yinong Chen	Chengxu Liang	Drew Mudry	Gyllian Gaylor
3-02	Third Prize	Federal University of Pernambuco	Eyes of the River: Object Recognition on the Edge to Map Garbage Foci Along River Water	Edna Natividade da Silva Barros	Mateus Ferreira Borges Soares	Rafael dos Reis de Labio	Gabriel Almeida Schneider
3-03	Third Prize	Indian Institute of Technology Gandhinagar	American Sign Language Recognizer	Jhuma Saha	Shubham Kumar	Dheeraj Kumar	Rajan Patel
3-04	Third Prize	Beijing Jiaotong University	Unattended Open Shared Laboratory Based on Deep Learning	Zhao, Xiang	Qi, Dacheng	Zhou, Guangyou	Li, Shuona

3-05	Third Prize	Beijing Institute of Technology	Motion imitation robot based on machine vision	Zhang, Yanjun	Zhao, Hongye	Li, Zhuokai	Wang, Ruiqi
3-06	Third Prize	Beijing Institute of Technology	Intelligent Home Management System	Ren, Shiwei	Liu, Yangming	Cui, Leiyao	Xu, Yuanchang
3-07	Third Prize	Beijing University of Posts and Telecommunications	An Intelligent Interactive Robot Based On Deep Learning	Dai, Zhitao	Xu, Chenqi	Gao, Bofei	Fan, Yuheng
3-08	Third Prize	Beijing University of Posts and Telecommunications	Voice Control System Based on Voiceprint Recognition	Sun, Wensheng	Fu, Dongyuan	Zhu, Zixu	Yao, Chenlong
3-09	Third Prize	University of Electronic Science and Technology of China	“Find Doctor To Seek Medical Advice” —— Hospital Navigation Robot	Ye Pan	Sihan A	Jianeng Wang	Xu Wang
3-10	Third Prize	University of Electronic Science and Technology of China	‘AI-EYE’ Memory glasses	Lian Yang	Jing Liu	Dongxu Li	Xingping Cao
3-11	Third Prize	Northeastern University	Smart City Energy Management And Control System Based On Deep Learning And Edge Computing	Bao, Xirong	Hao, Sicheng	Sun, Yuewen	Che, Yuhang
3-12	Third Prize	Fudan University	Digital twin system for safety guidance at intersections	Hui Feng	Hanfu Chen	Xiuhua Yang	Pin Jin
3-13	Third Prize	Guangdong University of Technology	Intelligent Multi-Classroom Management System	Xiaobin Guo	Zijie Liao	Yingyao Ma	Haotian Li
3-14	Third Prize	Guangxi University	Artificial Intelligence and Edge Computing Based IoT automated sand mine management system	Song Shi	Kai Liu	Qunji Lai	Yuyan Zhang
3-15	Third Prize	Guilin University Of Electronic Technology	Intelligent car networking assisted driving system	Xiaochun Lei	Han Chen	Jiaming Liang	Zhaoting Gong
3-16	Third Prize	Harbin Institute of Technology	Intelligent Voice UAV Formation Control System	He, Fenghua	Zhang, Wei	Cui, Kailun	Shan, Junqi
3-17	Third Prize	Hohai University	INTELLIGENT AND SAFE DRIVING MONITORING SYSTEM BASED ON DEEP LEARNING	Jidong Jin	Yi Huang	Hong Zhang	Quanzhong Ji
3-18	Third Prize	East China Normal University	DEPRESSION TENDENCY PREDICTION SYSTEM BASED ON GNS-V40 AND MULTIDIMENSIONAL MACHINE LEARNING	Song Qiu	Boyuan Zhang	Yewei Zhang	Jianhui Yang
3-19	Third Prize	South China University of Technology	Intelligent running strategy planning system	Xiangmin Xu	Jingyuan Xing	Honghao Wu	Weixin Xu
3-20	Third Prize	South China Normal University	“Smart Teaching and Light Learning” - Intel GNS-V40-based Intelligent Feedback System for Multimodal Classroom Teaching	Xiaoyu Tang	Kang Zeng	Jingyan Li	Chenhuen Guo

3-21	Third Prize	Huazhong University of Science and Technology	Multi-channel wireless video surveillance system based on RIS	Haifan Yin	Zongwei Zhen	Ruikun Zhang	Zhanhe Xu
3-22	Third Prize	Huazhong University of Science and Technology	Mine Material Detection Platform based on Neural Network	Lianbo Guo	Bowen Zou	Yiming Jiao	Zhenchang Du
3-23	Third Prize	Jilin University	Smart Eyes - Multi Scene Artificial Intelligence Visual Aid System	Zhang, Zongda	Song, Xiaoyi	Wang, Yikun	Ni, Peihuan
3-24	Third Prize	Jimei University	INTELLIGENT CHARGING MONITORING SYSTEM	Wenjie Zheng	Bohong Huang	Changshe Zhang	Zihao Lin
3-25	Third Prize	Xiamen University	Strong Privacy Protection behavior recognition system based on Intel Edge Computing	Hezhi Lin	Pujian Lin	Yuanxi Liao	Tianhao Huang
3-26	Third Prize	Shanghai University	Smart Blind-guiding Robodog	Xiaoqing Ding	Zheng Guan	Yijun Ding	Juan Yang
3-27	Third Prize	Shanghai University	DIGITAL TWIN SLUICE SYSTEM BASED ON DEEP LEARNING	Xuzhi Wang	Meng Wang	Haoyu Lin	Minglei Li
3-28	Third Prize	Shanghai University	Hand-eye coordination simulation training system for laparoscopic surgery	Xiaofeng Lu	Xuan Liu	Yanlin Chen	Qihai Ding
3-29	Third Prize	Shanghai Jiao Tong University	Multi-view positioning and navigation system for service robot -- A safety early warning and emergency platform for large-scale chemical industry scenarios	Geng Wang	Shuhuai Lin	Yucheng Tao	Hangyu Yuan
3-30	Third Prize	Sichuan University	A travel assistance system for the blind based on real-world perception	Weihua Zhang	Tianzhi Zhao	Hanyang Lu	Jun Luo
3-31	Third Prize	Tongji University	Intelligent Scarecrow—Orchard Orientation Bird Repellent Based on Computer Vision	Chen Ye	Juntong Hu	Yu Tian	Menglin Han
3-32	Third Prize	Tongji University	Intelligent palletizing robot based on deep reinforcement learning	Ruihua Wei	Jie Jia	Lingbai Kong	Jianing Luo
3-33	Third Prize	Whuhan University	"Tea Maker"—Intelligent Blending Robot for Healthy Tea	Guangyi Yang	Xu Chu	Yuhan Ai	Yuqian Huang
3-34	Third Prize	Wuhan University of Technology	Timing Optimization System of Ecological Junction Signal Based on Deep Learning	Jialiang Zhang	Junyan Zhang	Zhanyi Zhu	Zheng Fu
3-35	Third Prize	Xidian University	Tracing traces——Bionic insect like robot for disaster search and rescue based on edge computing	Yin Xu	Jianfeng Gong	Pengxu Hou	Jiahesilike • Aniwaer
3-36	Third Prize	Xidian University	"Shape-shifting" —— Real-time Character Capture Holographic 3D Display Terminal	Haiyan Kang	Peilin Chen	Junfei Ma	PengTao Bai
3-37	Third Prize	Xi' an Jiaotong University	Driver Securer —— Vehicle Safety Driving System	Yulin Zhang	Zhiwei Ning	Zhenni Yang	Yikun Li
3-38	Third Prize	Xi' an University of Posts & Telecommunications	"Thousand-hand Guanyin" Anti-epidemic Warrior	Dushi Wen	Dongsheng Wang	Lexin Sun	Zhihao Zhao

3-39	Third Prize	Northwestern Polytechnical University	Design of a Large-Scale User Multi-Source Fusion Cooperative Positioning System in an Urban Environment	Chengkai Tang	Ruisan Guo	Lin Li	Zuo Chen
3-40	Third Prize	Zhejiang University	INTELLIGENT "SMART EYE" SYSTEM FOR SENIOR HOME CARE	Yong Wang	Haoyuan Ma	Songyu Sun	Yutong Jiang
3-41	Third Prize	Central South University	Wearable spine motion detection device	Xianbai Mao	Genyu Liu	Yinan Zhang	Yaning Dang
3-42	Third Prize	Chongqing University	Remote Multi-target Infrared Temperature Measuring System	Wei He	Longxiang Jia	Tengfei Yan	Junlu Zhou

注：上述排名不代表得分排序