

## 2024 Intel Cup ESDC Award List

No.	Class	University	Topics	Instructor	Student 1	Student 2	Student 3
1-01	First Prize	University of Electronic Science and Technology of China	CogitoCore—Critical Thinking Assistant Education Robot	Yang Lian	Ge Xiuqi	Qian Benfang	Wang Silin
1-02	First Prize	Beijing Jiaotong University	Language Aided System Based on Edge Computing, Augmented Reality & Large language Model	Xie Wenchao	Sun Mingze	He Zihang	Ma yuze
1-03	First Prize	Beijing University of Posts and Telecommunications	Fulao-Multifunctional Intelligent Crutch	Cui Yansong	Su Yang	Lin Yuhang	Xu Chang
1-04	First Prize	University of Electronic Science and Technology of China	Immersive Intelligent Instrument Control System	Zhuang Jie	Song Yu	Duan Yule	Xiao Shuming
1-05	First Prize	University of Electronic Science and Technology of China	Directional Audio System Based On Visual Intelligent Tracking	Duan Jingshan	Zhuan Liwei	Hu Quanhao	Zhang Yaoyao
1-06	First Prize	Harbin Engineering University	Multimodal Unmanned Aerial Vehicle Sensing and Management System	Hou Changbo	Zhang Zhipeng	Liu Yilin	
1-07	First Prize	Huazhong University of Science and Technology	SoulDoggy - A Robotic Dog for Assisted Therapy of Mental Illness	Kan Xiao	Jiahao Jin	YanJun Zou	Junmeng Zeng
1-08	First Prize	Nanjing University	Intelligent 3D real-time ultrasound imaging of the spine	Wang Yuxin	Yin Wendi	Dong Tingting	Xing Qianye
1-09	First Prize	National University of Singapore	AR-based Independent and Experiential Language Learner on the Edge	Rajesh C Panicker	Man Juncheng	Hong Lin Shang	Ellia Tio Shu Yi
1-10	First Prize	Tongji University	Taekwondo Intelligent Assisted Training And Rating System	Dongdong Zhang	Jinxuan Wu	Nan Luo	Wenfei Liu
1-11	First Prize	Tongji University	Guide Dog Quadruped Robot	Lei Jiang	Yucheng Wang	Zuyi Xiong	Yixuan Chen
1-12	First Prize	Wuhan University	"Ancient Charm and Modern Integration": A 3D Cultural Relics Rapid Reconstruction Interactive System	Liqin Zhou	Yeda Wang	Yu Zhang	Conglin Pang
1-13	First Prize	Xi'an Jiaotong University	Elevator Guardian'-AI-Based Safety Assurance System For Escalator Passengers	Chen wei	Yang Yuhao	Qin Weitong	Lai Wenhao

2-01	Second Prize	Arizona State University	ASU Instructor Assistant GPT	Gennaro De Luca	Alex Guha	John Cowan	Jett Bauman
2-02	Second Prize	Beijing University of Technology	AIoT Smart Home Gesture Interaction System Based on Edge Computing	Xie Xuesong	Fan Junjie	Ma Rongcheng	Liang Xi
2-03	Second Prize	Beijing Institute of Technology	Insepaerable-Pokebot Smart Health Companion	Wu Yingying	Hou Jinkun	Liu Zhuo	Mao Ziming
2-04	Second Prize	Northeastern University	"WALL-1" - A General-Purpose Intelligent Robot Based on Multi-Modal Data Interaction	She Lihuang	Li Jiawei	Ma Guoxuan	
2-05	Second Prize	Dongguan City College	Multi-functional child care learning machine based on ChatGPT and deep learning	Jianhui Li	Jianan Liu	Yangsheng Chen	Yutong Li
2-06	Second Prize	Southeast University	Intelligent single-layer PCB making machine based on neural network	Wu Zhong	Zhu Hengyi	Bian Yunhao	Yu Miao
2-07	Second Prize	Harbin Engineering University	Intelligent Radio Reconnaissance and Jamming Equipment	Hou changbo	Guo Haonan	Song Zhen	
2-08	Second Prize	Harbin Institute of Technology	"Enabler" - An Accessible Interaction System for the Hearing Impaired	Jie Cao	Junyu Luo	Tianle Zhou	Lingyi Hu
2-09	Second Prize	Hangzhou Dianzi University	Simulated Rescue System with Tethered Drones Based on Machine Vision	Jiye Huang	Yuhao Wang	Yifan Zhang	Mingrui Li
2-10	Second Prize	Hangzhou Dianzi University	An intelligent 3D-rebuild system based on MVSnet	Jiye Huang	Yang Zhang	Yongxin Hu	Ziyao Zhou
2-11	Second Prize	Hunan City University	Zhiqie Xing - Intelligent Eggplant Picking Robot Based on YOLO	Hao Chen	Sibin Han	Cong Cao	Wei He
2-12	Second Prize	Huazhong University of Science and Technology	DEEP LEARNING-BASED AUTONOMOUS TRACKING SYSTEM FOR UNMANNED AERIAL VEHICLES (UAVS)	Lei Yi	Yufan Zhu	Tiancheng Ye	Yujie Liu
2-13	Second Prize	Central China Normal University	WATCHING CLOSELY – AUTOMATIC TRACKING SYSTEM FOR ONLINE COURSE LIVE BROADCAST	Qinglin Zhang	Meiren Wang	Jie Liu	Jia Luo
2-14	Second Prize	Nanjing University	"intelVision for Heart"-Heart Rate Detection in Facial Videos under Low Light Conditions	Peng Chenglei	Zhu Cong	Guo Qihang	Yang Jiabin

2-15	Second Prize	Nanjing University of Science and Technology	Intelligent Disaster Relief System for Air-Land Co-operation	Liu Xuemin	Yang Yiheng	Hu Yaxuan	Tian Junnong
2-16	Second Prize	Shanghai Jiaotong University	AI Smart Eye: Embedded Display Image Quality Evaluator	Min Xiong Kuo	Zeng Junhao	Jin Wenkai	Chen Feiyang
2-17	Second Prize	Sichuan University	Photoelectric speech-Indoor anomaly scene Detection system	Yang Yanbing	Xu Tao	Tao Jun	Li Junlin
2-18	Second Prize	The Hong Kong University of Science and Technology	AI Paint Bot	WOO, Kam Tim	CHEUNG King Sum	CHEUNG Lok Wai	
2-19	Second Prize	The Hong Kong University of Science and Technology	Advertisement Display System Based on Real Time AI Environment Analysis	WOO, Kam Tim	SUN, Cheuk Shing	Chau King Tsun	CHEUNG, Yan To
2-20	Second Prize	Wuhan University	YI ZHAN CAI GOU - INTEGRATED SMART ROBOT FOR SORTING AND STORAGE AT COURIER STATIONS	Yinbo Xie	Shan Huang	Yutian Zhang	Chang Li
2-21	Second Prize	Wuhan University	Intelligent Hospital Assistant Robot	Lian Zhou	Rui Zhan	Siyang Liu	Liuqing Chen
2-22	Second Prize	Wuhan University	Home Intelligent service robot dog	Shuo Shi	Geng Jie Wang	HongZhen Yu	ShuWei Zhang
2-23	Second Prize	Xi'an Jiaotong University	Guardian Angel' Intelligent Assistance Sytem Of The edaf and Mute	Liu Ningyan	Fan Hongbang	Qiu Zijie	Yun Hao
2-24	Second Prize	Xi'an Jiaotong University	Captivating Insights': An AI-based Automated Grading System	Chen wei	Liu Jingyi	Zhao Heng	Zhao Yujie
2-25	Second Prize	Central South University	"Smart Playground"-AI intelligent physical examination assistant	Xiaowen Xu	Jianfeng Xiao	Yongchao Wang	Xiao Huang

3-01	Third Prize	University of Science and Technology Beijing	Intelligent Interview System Based on Vision and Language Processing	Wang Fenhua	Hu Yujie	Zhang Yunxu	Dai Zhongqi
3-02	Third Prize	Beijing Institute of Technology	Multifunctional Vehicle Central Control Based on Nezhha Development Kit Integrated with Multimodal Large Language Model	Zhang Xiangfu	Zhao Qianli	Lv Chaofei	Li Zhuohan
3-03	Third Prize	Beijing Information Science and Technology University	Identification System for Electric Vehicles in Compartment Elevators	Wang Wensheng	Han Yihang	Liu Yizhuo	Wang Hailun

3-04	Third Prize	Beijing Information Science and Technology University	EveNav--Large Multimodal Model Based Blind Eye Navigation Glasses for Subway Travel	Guo Yanan	Xuan Jianfeng	Huang Yanling	Wang Xinrui
3-05	Third Prize	Beijing University Of Posts And Telecommunications	Real-time Quality Inspection System for Intelligent Manufacturing Under the Background of New Quality Productivity	Wang Yumei	Tian Boyang	Zhan Yi	Wei Yichen
3-06	Third Prize	Beijing University Of Posts And Telecommunications	"Shopping Man"—Interactive Smart Shopping Cart Based On Machine Vision	Cui Yansong	Li Chengxi	Jin Yusheng	Li Wenhao
3-07	Third Prize	University of Electronic Science and Technology of China	ActIveFit Intelligent health management system	Pan Ye	Liu Yuhang	Li Hetian	Zou Daolin
3-08	Third Prize	Northeastern University	Vehicle-Vehicle Energy Mutualization System Based on AI Vision Detection	Wang Rui	Jia Wei	Chen Futao	Li Sifan
3-09	Third Prize	Donghua University	The Harvest Warrior - Autonomous Picking Unmanned Vehicle System	Xiaofei Liao	Xiangyu Hu	Haoyu Qian	Ziheng Tian
3-10	Third Prize	Southeast University	Crop status monitoring and automatic care system based on machine learning	Zhang Shengqing	Chen Ziran	Xu Sichen	Cheng Yuming
3-11	Third Prize	Fuzhou University	Based on the improved fusion of LIME and YOLO v8 ,a lightweight fish detection system algorithm.	Zhang Ang	Chen Wei	Huang Jianzhong	Zhang Zhexiong
3-12	Third Prize	Fudan University	"AI4C" - Intelligent Monitoring Tables and Chairs for Student's Learning Status	Huang Qiwei	Chen Ziyang	Liu Boliang	Cui Haonan
3-13	Third Prize	Guangdong University of Technology	Smart Sentinel - Intelligent 24/7 Crowd Flow and Anomaly Monitoring and Early Warning System	Zhijing Yang	Tinghui Chen	Yu Huang	Chuyi Peng
3-14	Third Prize	Guangdong University of Petrochemical Technology	Smart Mobility Assistance - AI Intelligent Guide Dog	Xinchao Li	Zhitao Kong	Pinlong Chen	Weisheng Chen
3-15	Third Prize	Guilin University Of Electronic Technology	Intelligent Agricultural AI Monitoring System	Hui Jiang	Erjian Liu	Yizheng Lin	Hao Cao
3-16	Third Prize	Harbin Institute of Technology	Fire Alarm Smartcar Based on Multi-dimensional Monitoring	Ye Chao	Zhang Zijian	Xu Keyu	Yang Jiaming
3-17	Third Prize	Hefei University of Technology	"EYE MOVEMENT IDENTIFIES DISEASE" - ALZHEIMER'S SCREENING DEVICE	Lei Dai	Hongwei Xia	Yuyao Ju	Yuxuan Liu

3-18	Third Prize	Hebei University	A Wind Turbine Blade Defect Detection System Based on YOLOv5	Li Jun	Gao Endong	Xu Chen	Yong Mingzhe
3-19	Third Prize	Heilongjiang University of Science and Technology	Smart Energy Selection: Intelligent Gangue Precision Sorting System Based on YOLOv8	Wang Guoxin	Wang Lixu	Duan Xinghua	
3-20	Third Prize	Hunan University	HULU HERO: Museum Tour Guide Robot	YunChuan Qin	Xuanying Cao	Shengze Li	Yanliang Lv
3-21	Third Prize	East China Normal University	Traffic flow digital twin and intelligent analysis system based on edge computing and CPS	Song Qiu	Yubo Guo	Peitao Jiang	Haojie Xiang
3-22	Third Prize	South China University of Technology	Textile AI Consultation and Recommendation System	Huabiao Qin	Yibo Yuan	Min Guo	Keguo Qin
3-23	Third Prize	South China University of Technology	Blind Navigation Guardian: A Mobility Assistance System for the Visually Impaired	Mingjian Zhao	Xueyi Zhang	Jingkai Huang	Tengyue Yang
3-24	Third Prize	South China University of Technology	PERSONALIZED SMART DESK LAMP: AN AIOTBASED HOME INTELLIGENT LIGHTING SOLUTION	Chun-mei Qing	Zi-cheng Zeng	Cheng Han	Jia-cheng Yin
3-25	Third Prize	South China Agricultural University	Intelligent Children's "AI" Care System	LanXian Cheng	Quan Cheng	HaiFeng Wei	XiTong Qiu
3-26	Third Prize	South China Agricultural University	Campus AI Tour Guide System Based on Database and ChatGLM-6b	BingHui Yan	HaiHua Mo	XiCong Qian	JianSheng Dong
3-27	Third Prize	South China Normal University	Fully Automated Warehouse Fire Inspection UAV Based on Vision SLAM and Target Detection Technology	Kaiqing Luo	Cansen Fang	Junwei Feng	Zijie Zhong
3-28	Third Prize	South China Normal University	Edge-Cloud-Based AI IoT System for Embedded UAV Antenna Interference Source Inspection	Xiaoyu Tang	Jun Dong	Jiehao Luo	Jianping Yue
3-29	Third Prize	Huazhong University of Science and Technology	A Collaborative Accident Scene Forensic and Protection System Based on Deep Learning for Drones and Ground Robots	Lei Yi	Shengyu Li	Haiyu Wang	Fangyao Zhao
3-30	Third Prize	Indian Institute of Technology Gandhinagar	Owl's Eye: Low-Light Video Semantic Segmentation on Edge	Jhuma Saha	Gaurav Shah	Zaqi Momin	Mihir Agarwal

3-31	Third Prize	Jiangxi Science and Technology Normal University	An anomaly behavior detection and analysis system that integrates large and small models for multi-scenario compatibility	Chen Yan	Wang Zhongyang	Liu Shuaifeng	Abulikemu Sadier
3-32	Third Prize	Kunming University of Science and Technology	Pollux AR Glasses--Contextual Intelligence Exploration	Li Dayan	Kong Xiangchen	Wang Xuan	Jiang Benfu
3-33	Third Prize	Longyan University	Multifunctional Medical Detector Based on Artificial Intelligence and Internet of Things	Qinghui Wang	Yonggang Ma	Shihong Gan	Xuzhe Zhang
3-34	Third Prize	Nanjing University of Posts and Telecommunications	INTELLIGENT PATROL ROAD GUARD — AIRPORT FOD INSPECTION CAR BASED ON DIGITAL TWIN	Lin Ze	Chen Keqi	Hua Jianchun	Yu Zekai
3-35	Third Prize	Xiamen University	Prortable Medical AI Training Unit	Qu Xiaobo	Ji Zhenzhou	Shen Yuxiang	Chen Yuhao
3-36	Third Prize	Xiamen University Tan Kah Kee College	AI Target Recognition Tracking System Based on UAV Platforms	Mudan Zhou	Shicheng Zhang	Qiaoren Zhang	Huijun Wu
3-37	Third Prize	Shanghai University	Laparoscopic surgery normative training intelligent assistance system	Heng Zhang	Zhu Zhang	Wenhui Pan	Runjie Li
3-38	Third Prize	Shanghai Jiaotong University	AI-based intelligent optimization system for optical transmission links	Zhuge qunbi	Wu Siyuan	Xiang Shaowen	Zhang yuwen
3-39	Third Prize	ShenZhen University	Intelligent Walking Stick For The Blind	Qiang Li	Haiyang Lin	Jiahui Bao	Tao Liu
3-40	Third Prize	Wuhan University of Technology	Multi-functional Visual Aids For the Blind	Jialiang Zhang	Yujun Guo	Zhaoxin Liu	Linfeng Shi
3-41	Third Prize	Xidian University	Intelligent Classification of Lab - An Intelligent Assistant for Electronic Laboratories Based on Deep Learning	Xu Yin	Lu Ziheng	Bi Yanheng	Wang Zhida
3-42	Third Prize	Xi'an Jiaotong University	"Healthy Sitting Treasure" - A Multi-modal Sitting Detection System Based on Computer Vision and Arraved Pressure Sensors	Zhang Bo	He Tianyu	Tu Enzhao	Qin Jie
3-43	Third Prize	Xi'an University of Technology	Engine closed chamber AI voiceprint foreign body detection system	Xing Yuehua	Deng Kehao	Yu Dichao	Wu Liqiao

3-44	Third Prize	Xi'an University of Posts & Telecommunications	Scene understanding of image descriptions is realized based on linear learnable networks	Xing Gaofeng	Peng Kai'wen	Wei Zihan	
3-45	Third Prize	Xi'an University of Posts & Telecommunications	"Donkey Head" Motion Status Monitoring System Based on Deep Learning	Yang Xiao Bao	Zhao Shengzhe	Xiao changlin	
3-46	Third Prize	Northwest University	'JIGSAW': An Intelligent JIGSAW Robot Based on Machine Vision And Robotic Arms	Zhang Yuan	Fan Xiaohang	Chen Jiakun	Pan Ziyue
3-47	Third Prize	Northwestern Polytechnical University	Collaborative Multi-Source Fusion Positioning System for UAV Swarm	Tang ChengKai	Zhang Ruizhe	Li Weijia	Xiaojin
3-48	Third Prize	Northwestern Polytechnical University	Emotion Expert - Embedded AI Emotion Monitoring System	Zhang Yunyan	Yan Hao	Zhu Yongjie	Ma Yilun
3-49	Third Prize	Tianfu College of Southwestern University of Finance and Economics	Wise eyes to understand the harm, wisdom to draw the countryside	Zhou Qibin	Chen Jiaxin	Wang Wei	Ding Zhangbei
3-50	Third Prize	Zhaoqing University	Smart Shopping Assistant Robot for Supermarkets	WuYang Xue	Hao Li	Zexiang Xiao	WenTao Ding
3-51	Third Prize	Zhejiang University of Science and Technology	Fully Automatic Integrated Intelligent Garbage Cleaning And Sorting System	Zheng Yongping	Shi Jingxin	You Yijie	Zhan Qiangguo
3-52	Third Prize	Zhengzhou University	Design of a Sound based Analysis System for Poultry Emotion and Environmental Stress Status - Taking Pigs as an Example	Bin Zhang	Huijie Li	Zehao Li	Shuyang Wang
3-53	Third Prize	China University of Mining and Technology	Smart intersection management system: intelligent traffic optimization solution based on video recognition and dynamic signal control	Wang Guanjun	Lin Yisong	Zhang Haoqiang	Hu Siyan
3-54	Third Prize	Central South University	"JING YI WEI"-Intelligent Inspection Robot Of Manhole Cover	Xuemei Xu	Ruihang Su	Dongyang Chen	Taiyi Meng
3-55	Third Prize	Central South University	"Hands Helping Each Other"--Sign Language Recognition And Translation System Based on Cloud-Edge Deep Learning Fusion	Weishao Peng	Mengqi Fang	Xuanyu Lu	Xingyu Qian
3-56	Third Prize	Sun Yat-Sen University	Sign Language Recognition System Based on Nezhha Development Board	Xiang Chen	BeiMing Liang	PengFei Li	

3-57	Third Prize	Chongqing University	WiseCare-An intelligent elderly care management system	Tang Xiaofeng	Ao Yuxiang	Ye Bao	Xiao Yutong
4-01	Honorable Mention	Guangxi University	Intelligent Laboratory Management Robot Based On Artificial Intelligence	Song Shi	Fengmei Shi	Yiying Dong	Zhichao Liu
4-02	Honorable Mention	Software Engineering Institute of Guangzhou	Fire inspection drone	Xie Li	Yucan Yang	Zhuoliang Zhong	Qinda Zhou
4-03	Honorable Mention	Guilin Institute of Information Technology	Intelligent Classroom: Student Behavior Sensing System	Hongmei Jiang	Yehao Zhang	Jiyu Zhang	Guowen Xin
4-04	Honorable Mention	Hainan Vocational University of Science and Technology	Wisdom Care	Huimin Han	Chengen Zou	Liwen Li	Zhangcai Cheng
4-05	Honorable Mention	Hubei University of Technology	LOW ALTITUDE economy pioneer -- medical emergency intelligent network UAV system	Chao Wang	Chi Zhang	Dongfei Yang	Tianyu Tong
4-06	Honorable Mention	Hubei Minzu University	DANGEROUS DRIVING BEHAVIOR RECOGNITION BASED ON IMPROVED YOLOV5S	Jian Xu	Ziming Long	Qingqing Wu	Zong Li
4-07	Honorable Mention	Hunan Normal University	Intelligent Monitoring System for Planktonic Algae	Hao Lan	Bochong Wang	Tangen Yi	Gongwei Xie
4-08	Honorable Mention	East China University of Science and Technology	Harvest—Intelligent Tomato-Picking Robot	Xiaojuan Luo	Dingnan Luo	Yuzhe Guo	Xinyue Du
4-09	Honorable Mention	Huazhong University of Science and Technology	Nighttime UAV vision enhancement fusion 3D reconstruction system based on deep learning	Lei Yi	Zhewei Huang	YuYang Xiong	XiangYu Min
4-10	Honorable Mention	Central China Normal University	Vehicle Order Campus - Intelligent Monitoring System for Electric Vehicle Parking on Campus	Qiaoqiao Xia	Xujie Xiong	Yiming Wang	Zilu Liu
4-11	Honorable Mention	Lanzhou University	SafeAI: An Air-Ground Collaboration System for Dangerous Violence Monitoring and Intervention Based on Visual Recognition and Speech Processing	Yan Shi	Wang Gengzhao	Sun Peiran	Li Zhihao
4-12	Honorable Mention	Southern University of Science And Technology	Sign Language Translation AR Glasses based on Optical Waveguide Scheme	Xiaojing Wang	Zou Yi	Zuyang Liu	Hongqin Zhang

4-13	Honorable Mention	Wuchang Shouyi University	INTELLIGENT RAIL PROTECTOR - RAIL INSPECTION VEHICLE BASED ON AI VISION AND ULTRASONIC SENSING	Qing Li	Maowen Qian	Xinyu Zhao	Jiahao Xu
4-14	Honorable Mention	Northwest University	AI Teaching Assistant-Classroom Management System Based On Artificial Intelligence Technology	Zhang Yuan	Zhang Jie	Kang Jianing	Li Yaqi
4-15	Honorable Mention	Northwestern Polytechnical University	A Date-Driven Depth Perception System For Intelligent UAV In Urban Traffic Environment	Tang Chengkai	Jing Caichen	Chen Mengyue	Liu Jiale
4-16	Honorable Mention	Tibet University	Convenient AI - A Smart 'Hand' For Tibetan And HAN people with Disabilities	Bianba Wangdui	Liu Jiarui	Liang Yaoyang	Lu Cuiyi
4-17	Honorable Mention	Central South University	Greenhouse pest detection system based on multi-modal point cloud fusion and DSPI-Net	Ning Chen	Xue Yin	Yinghao Peng	Chao Luo
4-18	Honorable Mention	South-Central Minzu University	Modal Interleaver -- A Multimodal Image and Text Processing System Based on Deep Learning	Jianyu Zhou	Rui Yu	Zhibin Shao	Mengcheng Luo
4-19	Honorable Mention	Sun Yat-Sen University	Meteor observation and tracking system based on YOLOv5+DNN+Kalman algorithm	Xiang Chen	Xi Luo	Zi Yang Hui	
4-20	Honorable Mention	Zhongkai University of Agriculture and Engineering	Intelligent chatbot based on NEZHA	Jinquan Sun	Zhihua Li	Wentao Lu	Qixin Gu
4-21	Honorable Mention	Chongqing University	'Charging Elf'--Intelligent Mobile Energy Storage Robot	Shao Changzhen	Wang Yunzhi	Yuan Jiayi	Fu Xinyi
4-22	Honorable Mention	Zhoukou Normal University	Tunnel insight — high-precision smart inspection for underground utility tunnels	Qifeng Niu	Yunjie Liu	Yuhang Jin	Shao Wang