## The 2023 University Physics Competition Results Announcement – January 17, 2024

We are very pleased to announce the results of the fourteenth annual University Physics Competition. The University Physics Competition is an international contest for undergraduate students, who worked in teams of up to three students at their home colleges and universities all over the world, and spent 48 hours during the weekend of November 3, 4, & 5, 2023, analyzing a scenario using the principles of physics, and writing a formal paper describing their work.

In this year's competition 466 teams submitted papers for judging. 322 teams selected "Problem A – Space Diving" and 144 teams selected "Problem B – Trampoline Jumping."

For Problem A, the Gold Medal Winning Teams were:

Team 131: Guo Runshuang, Wu Juntao, & Chen Ruiyang Institution: Shanghai Jiao Tong University Joint Institute

Faculty Sponsor: Qu Zijie

Team 227: Chengrong Ye, Xinyan Gong, & Lingwei Zhang Institution: Shanghai Jiao Tong University Joint Institute

Faculty Sponsor: Zijie Qu

Team 244: Jiatui Gu, Nan Jiang, & Ziyu Xu

Institution: Shanghai Jiao Tong University Joint Institute

Faculty Sponsor: Xiaofen Li

Team 355: Hong ZiYang, Su ZhaoHan, & Hu Yi

Institution: Tongji University Faculty Sponsor: Ma Yan

Team 447: Yuan Weijie, Song Zuotao, & Shi Ziming Institution: National University of Defense Technology

**Faculty Sponsor: Xu Xinrong** 

Team 464: Peng Haoyang, Yang Haikun, & Zhong Rui Institution: National University of Defense Technology

**Faculty Sponsor: Zhang Sen** 

For problem B, the Gold Medal Winning Teams were:

Team 102: Wang Xuanyu, Dong Kunkai, & Huang Binyang

**Institution: Beijing Normal University** 

Faculty Sponsor: Wang Aiji

Team 138: Yanze Yu, Xinzhe Juan, & Mingrui Li

Institution: Shanghai Jiao Tong University Joint Institute

Faculty Sponsor: Zijie Qu

Team 471: Jerzy Gamdzyk, Jan Kossacki, & Andrzej Tyc

Institution: University of Warsaw Faculty Sponsor: Michał Zdziennicki

Of the 466 papers submitted in this year's University Physics Competition, 9 teams (1.9%) were ranked as Gold Medal Winners, 86 teams (19%) were ranked as Silver Medal Winners, 125 teams (27%) were ranked as Bronze Medal Winners, and 246 teams (53%) were ranked as Accomplished Competitors.

We extend our sincerest congratulations to each of the competing teams for their excellent work and their enthusiasm for physics!

Kelly S. Cline

Carroll College; Helena, Montana, United States Director of the University Physics Competition www.uphysicsc.com

## **Problem A: Space Diving**

Team	Sponsor/Students	Institution	Prob	Rank
131	Qu Zijie	Shanghai Jiao Tong University Joint Institute	Α	Gold Medal
	Guo Runshuang, Wu Juntao	, Chen Ruiyang		
227	Zijie Qu	Shanghai Jiao Tong University	Α	Gold Medal
	Chengrong Ye, Xinyan Gong	, Lingwei Zhang		
244	Xiaofen Li	Shanghai Jiao Tong University Joint Institute	Α	Gold Medal
	Jiatui Gu, Nan Jiang, Ziyu Xu	ı		
355	MA Yan	Tongji University	Α	Gold Medal
	Hong ZiYang, Su ZhaoHan, H	łu Yi		
447	Xu Xinrong	National University of Defense Technology	Α	Gold Medal
	Yuan Weijie, Song Zuotao, S	Shi Ziming		
464	Zhang Sen	National University of Defense Technology	Α	Gold Medal
	Peng Haoyang, Yang Haikun	, Zhong Rui		
101	Bai Zaiqiao	Beijing Normal University	Α	Silver Medal
	Zuo Xueyang, Hu Xuyang, Li	u Junran		
101	Bai Zaiqiao	Beijing Normal University	Α	Silver Medal
	Zuo Xueyang, Hu Xuyang, Li	u Junran		
101	Bai Zaiqiao	Beijing Normal University	Α	Silver Medal
	Zuo Xueyang, Hu Xuyang, Li			
101	Bai Zaiqiao	Beijing Normal University	Α	Silver Medal
	Zuo Xueyang, Hu Xuyang, Li			
101	Bai Zaiqiao	Beijing Normal University	Α	Silver Medal
	Zuo Xueyang, Hu Xuyang, Li			
101	•	Beijing Normal University	Α	Silver Medal
	Zuo Xueyang, Hu Xuyang, Li			
103		Shanghai Jiao Tong University	Α	Silver Medal
	Yijie Liao, Yufei Gao, Jiangsh			
108	Qu Zijie	Shanghai Jiao Tong University Joint Institute	Α	Silver Medal
444	Zhou Fengming, Liu Junyuar		•	Cil Na . dal
111	Zijie Qu	Shanghai Jiao Tong University Joint Institute	Α	Silver Medal
120	Keyuan Hu, Chuhan Cai, Yar		^	Cilvan Madal
139	Zijie Qu	Shanghai JiaoTong University	А	Silver Medal
1/12	Mo Li, Zhiheng Li, Yang Hu Zijie Qu	Shanghai Jiao Tong University	۸	Silver Medal
142	Zixiang Lin, Shengheng Chei	Shanghai Jiao Tong University	Α	Silver Medai
152	Haiping Wu	Nanjing University of Science and Technology	Α	Silver Medal
133	Weixiang Fu, Boyu Sun, Zhu	, -	^	Silver iviedai
154	Haiping Wu	Nanjing University of Science and Technology	Α	Silver Medal
154	Linghu Yaxi, Zhang Xuzhe, Z		^	Silver ivicuui
165	Haiping Wu	Nanjing University of Science and Technology	Α	Silver Medal
100	Jiashuo Liu, Heng Jiang, Kes	, -	,,	Sire meda
166	Haiping Wu	Nanjing University of Science and Technology	Α	Silver Medal
100	Yijie Huang, Yunhan Ye, Per			
170	Haiping Wu	Nanjing University of Science and Technology	Α	Silver Medal
	Zhentian Wang, Junhao Ma			2
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	180	Haiping Wu	Nanjing University of Science and Technology	Α	Silver Medal
		Siyi Xie, Kaiwei Gao, Jireh Fa	n		
	184	Kai Chen	Nanjing University of Science and Technology	Α	Silver Medal
		Shengyu Fang, Ruichen Li, W	/enxuan Jia		
	185	· -	Nanjing University of Science and Technology	Α	Silver Medal
		Hanbing Zhou, Yongjian He,	Fengli Huang		
	187	Haiping Wu	Nanjing University of Science and Technology	Α	Silver Medal
		Xingyuan Ji, Dong Zheng, Xir	a Zhong		
	199	Kai Chen	Nanjing University of Science and Technology	Α	Silver Medal
		Zeng Yihan, Wang Yikai, Li K	aiwei		
:	208	Qu Zijie	Shanghai Jiao Tong University	Α	Silver Medal
		Wei Yushan, Lu Wenye, Wai	ng Zeming		
:	218	Haiping Wu	Nanjing University of Science and Technology	Α	Silver Medal
		Sonlin Zheng, Zhouwen He,	Hanyu Song		
2	231	Qu Zijie	Shanghai Jiao Tong University	Α	Silver Medal
		Wu Junying, Qiu Jier, Zhu Bo	yuan		
2	243	Haiping Wu	Nanjing University of Science and Technology	Α	Silver Medal
		Jiang Xiaozhe, Sun Yongze, X	ľu Chi		
:	252	Zijie Qu	Shanghai Jiao Tong University	Α	Silver Medal
		Kangyu Sun, Enze Zhang, Ziy	un Xu		
2	253	Zijie Qu	Shanghai Jiao Tong University	Α	Silver Medal
		Wu Yichen, Sun Yichen, Xiao	Jiakai		
:	265	Qu Zijie	Shanghai Jiao Tong University	Α	Silver Medal
		Feng Ying, Xia Shiqing, Huan	g Dingbang		
:	274	Md Enamul Hoque	Shahjalal University of Science and Technology	Α	Silver Medal
		Muhammed Sakil Hussain, K	azi Mahmudur Rahman, Shourav Somodder		
:	300	Ma Yan	Tongji University	Α	Silver Medal
		Gong Yi Cheng			
3	316	Xun Zhipeng	China University of Mining and Technology	Α	Silver Medal
		Su Meng, Yang Haijing, Zhan	g Dingwen		
:	322	Haiping Wu	Nanjing University of Science and Technology	Α	Silver Medal
		Huaiyi Shi, Jiajie Shen, Guiqi	ng Shao		
3	327	Oishi Jyoti	Rajshahi University of Engineering & Technology	Α	Silver Medal
		M.Morsedur Rahman, Sabih	a Rubiatunnesa, Sajid Fardin Dipto		
3	364	Fang Kai	Tongji University	Α	Silver Medal
		Li Mengan, Han Xinyi, Xue Y	ahui		
3	366	•	Tongji University	Α	Silver Medal
		Zhang Boyi, Chen Weixin, W	u Haoran		
:	371	Zhang Jianwei	Tongji University	Α	Silver Medal
		Wang Mingwei, Shen Junha			
3	373	Zhang Jianwei	Tongji University	Α	Silver Medal
		Huang Bolin, Cheng Tianzhu	o, Wang Xiaohan		
4	411	-	Hebei Normal University	Α	Silver Medal
		Qu Qingle, Song Yuanze, Yua	-		
4	432		National University of Defense Technology	Α	Silver Medal
		Shi Zhengwei, Wei Xiongwei	, Wu Xinming		

433 Qin Jingt	ı jie, Liu Tong, Wu	National University of Del	fense Technology	Α	Silver Medal
435 Zhao Zer		National University of Def	fense Technology	Α	Silver Medal
	ingyue, Yan Junm		ense recimology	, ,	Silver iviedar
436 Liu Yong		National University of Def	fense Technology	Α	Silver Medal
•	ang, Zhang Yiyin,	•	0,		
438 Yi Wenju	n	National University of Def	fense Technology	Α	Silver Medal
Yang Zhu	io, Ni Hao, Zhu Ka	aiyi			
439 Dai Jiayu		National University of Def	fense Technology	Α	Silver Medal
Ye Huich	eng, Su Qifeng, G	Guo Ruiduo			
440 Liu Yong	u	National University of Def	fense Technology	Α	Silver Medal
Fan Wer	gang, Zhang Ying	jie, Tan Shenzhong			
445 Liu Yong	u	National University of Def	fense Technology	Α	Silver Medal
Wang Ch	untai, Lin Changt	tai, Qin Longyu			
448 Yu Tong	u	National University of Def	fense Technology	Α	Silver Medal
Zhang Yi	fei, Hu Jiacheng, (	• •			
449 Peng Ga	•	National University of Def	fense Technology	Α	Silver Medal
Huang Y	ngzi, Liu Bei, Wu	Xiuping			
450 Peng Ga	~	National University of Def	fense Technology	Α	Silver Medal
Xue Zhe	ii, Lin Chenhao, X	ie Ziqin			
454 Hu Lixiar	g	National University of Def	fense Technology	Α	Silver Medal
Quan Yu	shi, Zhang Shengl	kai, Qu Qian			
456 Liu Yong		· · · · · · · · · · · · · · · · · · ·	fense Technology	Α	Silver Medal
_	ndan, Huo Sihan,	•			
459 Zou Deb		National University of Def	fense Technology	Α	Silver Medal
•	, Sun Maoxuan, I				
463 Liu Yong		National University of Def	fense Technology	Α	Silver Medal
_	, Li Junchi, Liu Ch				
466 Yu Tong		•		Α	Silver Medal
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469/Mi <b>6</b> åał Ż	d <mark>zien</mark> nicki W	<sup>7</sup> Unive <mark>rsien e</mark> f Warsawgta	gJuachW	Α	Silver Medal

630	Qixin She	National University of Defense Technology	Α	Silver Medal
	Yuhe Yang, Zhouyuhang, Ta	ng Siwei		
649	Md. Azmain Yakin Srizon	Rajshahi University of Engineering & Technology	Α	Silver Medal
	Mohammad Ishtiaq Ahmed	, Deba Priyo Guha,		
524-1	Ma Yan	Tongji University	Α	Silver Medal
	Nie Qiwen, Fang Dongyu			
110	Zijie Qu	Shanghai Jiao Tong University Joint Institute	Α	Bronze Medal
	Zaixi Chen, Fangjie Gao, Yao	-		
117	Liu Meijie	Qingdao University	Α	Bronze Medal
	Sun Yutong, Gong Kecheng,			
118	Hu Yanmin	Civil Aviation University of China	Α	Bronze Medal
	Lu Tao, Yao Yuke, Yang Tian			
150	. •	Nanjing University of Science and Technology	Α	Bronze Medal
	Zirui Xu, Wentao Li, Yinan Y	_		
152		Nanjing University of Science and Technology	Α	Bronze Medal
	Yangjie He, Haifeng Gao, Zil			
163	•	Nanjing University of Science and Technology	Α	Bronze Medal
467	Liyang Ni, Zhangchi Zhou, Y			5 44 11
16/	Haiping Wu	Nanjing University of Science and Technology	Α	Bronze Medal
474	Manye Dong, Linghui Wu, Y		^	Duana Madal
1/1		Nanjing University of Science and Technology	Α	Bronze Medal
174	Liu Zitian, Wu Yiheng, Pan Z		^	Duana Madal
1/4	Haiping Wu	Nanjing University of Science and Technology	Α	Bronze Medal
177	Chenyang Dan, Shouyu Jin,		۸	Duanas Madal
1//	-	Nanjing University of Science and Technology	Α	Bronze Medal
170	Jinfeng Wang, Zhuoshi Liu,		۸	Bronze Medal
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170	JingQiu Xu, FeiYu Xiao, LiuW Haiping Wu	Nanjing University of Science and Technology	Α	Bronze Medal
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192	Haiping Wu	Nanjing University of Science and Technology	Α	Bronze Medal
102	Songran Xu, Liyang Jing, Key		A	Bronze iviedar
10/	Guangan Wang	Nanjing University of Science and Technology	Α	Bronze Medal
134	Zhou Zhou, Xuming Wang, Y		^	Diolize Medai
202	Haiping Wu	Nanjing University of Science and Technology	Α	Bronze Medal
202	Shuo Li, Jiawei Fu, Bolun Liu		,,	DI OTIZE IVICUAL
206	Haiping Wu	Nanjing University of Science and Technology	Α	Bronze Medal
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210	Haiping Wu	Nanjing University of Science and Technology	Α	Bronze Medal
	Zhuonuo Shen, Ziran Zhou,		, ,	Dionize Medai
211	Haiping Wu	Nanjing University of Science and Technology	Α	Bronze Medal
	Chenyang Ji, Yuxin Huang, F		, ,	Dionize Medai
226	Haiping Wu	Nanjing University of Science and Technology	Α	Bronze Medal
	Zhijie Wang, Yichen Yu, Xiao			
229	Haiping Wu	Nanjing University of Science and Technology	Α	Bronze Medal
	Gong Haoxiong, Geng Yaoxi			
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23	2 Haiping Wu	Nanjing University of Science and Technology	Α	Bronze Medal
	Qiyu Fan, Bolun Chen, Yuni	<sup>-</sup> u Chen		
23	5 Zijie Qu	Shanghai Jiao Tong University Joint Institute	Α	Bronze Medal
	Xinyu He, Yuetong Ding, Ch	enye Cao		
23	6 Zijie Qu	Shanghai Jiao Tong University Joint Institute	Α	Bronze Medal
	Yufei Zhu, Yanzhen Su, Jing	yu Liu		
23	8 Qu Zijie	Shanghai Jiao Tong University	Α	Bronze Medal
	Zhang Haiyue, Su Zijian, Ha	n Yunwei		
24	5 Haiping Wu	Nanjing University of Science and Technology	Α	Bronze Medal
	Jing Liu, Ruixuan Li, Wenwe	en Yu		
24	7 Haiping Wu	Nanjing University of Science and Technology	Α	Bronze Medal
	Junjie Cui, Yao Gu, Hongyu	Yuan		
25	6 Qu Zijie	Shanghai Jiao Tong University	Α	Bronze Medal
	Zhao Guojiao, Chen Bingan	, Yang Zhilin		
26	3 Haiping Wu	Nanjing University of Science and Technology	Α	Bronze Medal
	Jiaying He, Ning Zhou, Wei			
26	6 Xiaobing Luo	Chongqing University of Posts and Telecommunications	Α	Bronze Medal
	Shuijie Zhang, Wenzhe Din			
26	8 Qu Zijie	Shanghai Jiao Tong University	Α	Bronze Medal
	Chen Anyang, Shen Ming, C	Cui Shuyuan		
28	1 Zhang Yaolei	Qilu University of Technology	Α	Bronze Medal
	Cao Zhongkun, Wei Chaozh	neng, Li Bo		
28	4 Zhang Yujin	Qilu University of Technology	Α	Bronze Medal
	Wang Dianshuo, Xia Fanjin	, Sun Hui		
28	5 Sun Jie	Qilu University of Technology	Α	Bronze Medal
	Chen Xiangpeng, Hao Xingk	cai, Bu Nan		
30	1 Mohammed Abdul Basith	Bangladesh University of Engineering and Technology	Α	Bronze Medal
	Mehede Hasan, Nazmus Sa	adat, Adnan Shourov		
30	2 Zijie Qu	Shanghai Jiao Tong University Joint Institute	Α	Bronze Medal
	Chengrui Wu, Qijun Wang,	Peilin Meng		
30	9 Nazia Chawdhury	Shahjalal University of Science and Technology	Α	Bronze Medal
	K.M. Shariat Ullah, Antu Ro	•		
31	2 Xi Chen	Xi'an Jiaotong-Liverpool University	Α	Bronze Medal
	Yuxuan Han, Runqi Zhu, Sir	_		
32	5 Hu Wei	Qilu University of Technology	Α	Bronze Medal
	Yu Zihan, Lian Qingru			
32	8 Oishi Jyoti	Rajshahi University of Engineering & Technology	Α	Bronze Medal
	Tanha Anil, Nawsheen Sha			
33	0 Jaseer Ahmed	Shahjalal University of Science and Technology	Α	Bronze Medal
		, Sumaya Islam Chowdhury, Taslima Akter Tinni		
35	3 Ma Yan	Tongji University	Α	Bronze Medal
	Jiang YuZe, Gao YuYang, Fa			
35	6 MA Yan	Tongji University	Α	Bronze Medal
	Sun QingBo, Hu WenYang,			_
36	0 MA Yan	Tongji University	Α	Bronze Medal
	Wang Lulu, Guan Junyan, S	un Chengyou		

365	Fang Kai	Tongji University	Α	Bronze Medal
	Zheng Tiancheng, Chen Qi,	Pan Shiwei		
369	Fang Kai	Tongji University	Α	Bronze Medal
	Liu Yuting, Li Lexuan, Wang	Yixiang		
372	Zhang Jianwei	Tongji University	Α	Bronze Medal
	Guo Wuwei, Li Zhongxin, Zh	ang Yuchen		
375	Zhang Jianwei	Tongji University	Α	Bronze Medal
	Luo Qi			
378	S Zhang Jianwei	Tongji University	Α	Bronze Medal
	Xiao Shengyu, Cheng Zheha	o, Wu Ruijing		
384	Zhang Jianwei	Tongji University	Α	Bronze Medal
	Dong Jiakai			
385		Tongji University	Α	Bronze Medal
	Xiao RanYu, Peng Yao, Tao Z	ZeYu		
388	-	Tongji University	Α	Bronze Medal
	Ning Xuanjing, Zhang Jinyue			
393	Zhang Yingli	Tongji University	Α	Bronze Medal
	Xu Shuyang			
395		Tongji University	Α	Bronze Medal
	Cheng Zike, Zhou Han			
410		Xi'an Jiaotong-liverpool University	Α	Bronze Medal
	Shengyang Gao, Fanpei Liu,			
422		Tongji University	Α	Bronze Medal
400	Zhaoshu Yu, Guanheng Ren			
429		Tongji University	Α	Bronze Medal
4.4.4	Ma Haoxuan	Notice of the Court of Bufferer Technology		D Mardal
44]	0 0	National University of Defense Technology	Α	Bronze Medal
445	He Yongjie, Xie Rongsheng,		^	Draws Madal
442	Zhang Sen	National University of Defense Technology	Α	Bronze Medal
151	Cheng Zan, Liu Yaqing, Shi E . Yi Wenjun	_	۸	Bronze Medal
451	Wang Zhangling, Wei Yingy	National University of Defense Technology	Α	Bronze Medai
150	Yu Tongpu	National University of Defense Technology	Α	Bronze Medal
43.	Qiu Qunya, Xiao Ziyue, Guo		A	Bronze Medai
460	Peng Gang	National University of Defense Technology	Α	Bronze Medal
700	Yang Yu, Lu Ping, Yi Pan	National offiversity of Defense recliniology	^	Di Olize ivicual
467	Chen Jumei	National University of Defense Technology	Α	Bronze Medal
702	Wang Yi, Hu Xinyu, Wang Ti	•	, ,	Bronze Wieddi
486		VinUniversity	Α	Bronze Medal
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492	! Ma Yan	Tongji University	Α	Bronze Medal
	Mu Qun, Yang Jiarun			2.020000
507	' Qu Zijie	Shanghai Jiao Tong University	Α	Bronze Medal
	Li Yanzhi, Wu Xinyuan, Zhou			
509	Li Yanqiang	Qingdao University	Α	Bronze Medal
	Zhang Yao, Yin Xiangru, Ni N	•		

513 Chun	hong Long	Chongqing University of Posts and Telecommunications	Α	Bronze Medal
Rong	yu Wang, Xue Wang, Y	anjun He		
520 Anocl	k Somadder	Shahjalal University of Science and Technology	Α	Bronze Medal
Tanm	oy Bhowmik, Joy Pal B	Barua, Hasibul Islam Humidy		
525 Ma Ya	an	Tongji University	Α	Bronze Medal
Wang	g Haichao			
542 Md.E	namul Hoque	Shahjalal University of Science And Technology Sylhet	Α	Bronze Medal
Md. J	ahidul Islam, Md.Bakib	oilla Matubbar, Md. Didarul Islam		
545 Cesar	Bonilla	Universidad Católica del Norte	Α	Bronze Medal
Matía	is González, Matías M	uñoz, David Rojas		
546 Micha	al Kwasigroch	Cambridge University	Α	Bronze Medal
Willia	m Deng, Kevin Shao, (	Connor Wong		
548 Yanqi	ang Li	Qingdao University	Α	Bronze Medal
Hua L	iu, Shuaiyu Wu, Sheng	ghan You		
553 Geldi	muhammedov Akmyra	The State Energy Institute of Turkmenistan	Α	Bronze Medal
Kerim	ov Yhlas, Bahtiyarov N	Merdan, Annagulyyev Govshut		
558 Wenj	uan Lin	Qingdao University	Α	Bronze Medal
Renru	ıi Chen, Mingbo Yang,	Xinglin Liu		
570 Li Yar	ngiang	Qingdao University	Α	Bronze Medal
Li We	nhuai, Wang Wenhui,			
587 Wang	=	National University of Defense Technology	Α	Bronze Medal
Chen	yaxiu, Liujize, Chen Wı	uyang		
588 Dong	<del>.</del>	National University of Defense Technology	Α	Bronze Medal
<u> </u>	unjie, Sun Xin, You Jia			
602 Edwir	•	Georgia Institute of Technology	Α	Bronze Medal
Cono	r Fitzmaurice, Angelina	a Zhang, Tanmay Gupta		
	(amal Hossain	Jahangirnagar University	Α	Bronze Medal
Md. F	Rahamat Ullah Nadim.	Sanzida Hossain Maria, Md. Abu Rayhan		
617 Haipi		Nanjing University of Science and Technology	Α	Bronze Medal
•	u, Xinyuan Liu, Keren			
632 Wu Y	•	National University of Defense Technology	Α	Bronze Medal
	g Binnian, Zhou Baoyi,	,		
633 Haipi	·	Nanjing University of Science and Technology	Α	Bronze Medal
•	n Zhu, Le Yu, Xiangron			
635 Qixin		National University of Defense Technology	Α	Bronze Medal
•	an, Xie Xingrui, Xiao Xi	,		2.02000
636 Gao (	_	National University of Defense Technology	Α	Bronze Medal
	g Zhe, Teng Mingjun, V		,	Di Gille i Medai
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	Mashrur Ahmed	Rajshahi University of Engineering and Technology	Α	Acc. Competitor
		in Bulbul, Rajesh Majumder	, ·	Acc. competitor
	anda Kumar	Amrita Vishwa Vidyapeetham	Α	Acc. Competitor
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	y Yongcheng	Qingdao University	Α	Acc. Competitor
-	Chunyang, Liu Yutong,	·	, ,	
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112 Zijie Qu	Shanghai Jiao Tong University Joint Institute	Α	Acc. Competitor
Yu Yongrui, Zhou Shiyi,	Xu Youshan		
119 Zijie Qu	Shanghai Jiao Tong University Joint Institute	Α	Acc. Competitor
Zewei Ye, Tianye Xv, Zh	engjie Min		
121 Bole Chen	Chongqing University of Posts and Telecommunications	Α	Acc. Competitor
Tianyan Yuan, Jianxion			
	hed I University of Chittagong	Α	Acc. Competitor
Md. Shamsul Alam Mal	•		
128 Ruiheng Pan	848	Α	Acc. Competitor
Houbo Li, Shuang Yang			
	Chongqing University of Posts and Telecommunications	Α	Acc. Competitor
Yunyi Zhou, Tao Liu, Xia			
•	az Universidad Nacional Autónoma de México	Α	Acc. Competitor
	Gallegos, Erubey Morales Teofilo, Guillermo Sierra López		
143 Zijie Qu	Shanghai Jiao Tong University	Α	Acc. Competitor
Yuming Chen, Tengxi Yo		•	A C +
148 Shyamal Ranjan Chakra Mariem Absar	abort Chittagong University	Α	Acc. Competitor
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149 Haiping Wu	Nanjing University of Science and Technology	Α	Acc. Competitor
Yuecheng Zhao, Yixuan		Α	Acc Compositor
	Nanjing University of Science and Technology	А	Acc. Competitor
Xue Qi, Cao Yu, Liu Jian		۸	Acc Compositor
156 Haiping Wu Ziyang Shen, Chen Yang	Nanjing University of Science and Technology	Α	Acc. Competitor
157 Haiping Wu		Α	Acc. Competitor
· -	ng Yang, Haozheng Zhou	A	Acc. Competitor
	Nanjing University of Science and Technology	Α	Acc. Competitor
Lufan Zhang, Shanyu Li		^	Acc. competitor
159 Haiping Wu	Nanjing University of Science and Technology	Α	Acc. Competitor
Zixin Huang, Yuxin Zhar	, ,	^	Acc. competitor
160 Haiping Wu	Nanjing University of Science and Technology	Α	Acc. Competitor
Chenghao Yang, Huach		, ,	7.00. 00pou
161 Haiping Wu	Nanjing University of Science and Technology	Α	Acc. Competitor
Leyang Li, Xinyu Gao, X	, ,		, , , , , , , , , , , , , , , , , , ,
162 Haiping Wu	Nanjing University of Science and Technology	Α	Acc. Competitor
Zhenqiang Lin, Wengju			•
164 Haiping Wu	Nanjing University of Science and Technology	Α	Acc. Competitor
JiaHe Qu, PengCheng V	, ,		·
168 Haiping Wu	Nanjing University of Science and Technology	Α	Acc. Competitor
Yuhao Dong, Yuqing W	en, Yanxuan Wang		
169 Haiping Wu	Nanjing University of Science and Technology	Α	Acc. Competitor
Zhou Fang, Junxin Wan	g, Yingxian Li		
172 Haiping Wu	Nanjing University of Science and Technology	Α	Acc. Competitor
Wenle Ji, Haoxuan Shi,	Zizhou He		
173 Haiping Wu	Nanjing University of Science and Technology	Α	Acc. Competitor
Baisen Wang, Yanli Wa	ng, Jianduo Wang		

188	Haiping Wu	Nanjing University of Science and Technology	Α	Acc. Competitor
	Zeyuan Wang, Yuanjin Xu,			
189	Haiping Wu	Nanjing University of Science and Technology	Α	Acc. Competitor
	BinJie Liao, YiMing Gong, Y	ang Liu		
190	Haiping Wu	Nanjing University of Science and Technology	Α	Acc. Competitor
	Shaobo Nie, Yuzhe Wang, E	Bohan Zeng		
192	Haiping Wu	Nanjing University of Science and Technology	Α	Acc. Competitor
	Wanting Ye, Ruihan Zhou, I	Maomei Zhu		
198	Haiping Wu	Nanjing University of Science and Technology	Α	Acc. Competitor
	Yangfeng Yin, Yifan Zhang,	Zhiming Yu		
200	Haiping Wu	Nanjing University of Science and Technology	Α	Acc. Competitor
	Shenjian Gu, Yuda Meng, Ji	iangyue Chen		
201	. Haiping Wu	Nanjing University of Science and Technology	Α	Acc. Competitor
	Yao Wenjie, Hu Ye, Dai Shu	ai		
203	Haiping Wu	Nanjing University of Science and Technology	Α	Acc. Competitor
	Chengjun Feng, Zixun Zhan	g, Jun Lin		
205	Haiping Wu	Nanjing University of Science and Technology	Α	Acc. Competitor
	Bin Xiong, Shiming Gan, Jia	nbo Hu		
212	Guangan Wang	Nanjing University of Science and Technology	Α	Acc. Competitor
	Chengye Liang, Keqing Ji, X	inyi Li		
214	· Haiping Wu	Nanjing University of Science and Technology	Α	Acc. Competitor
	Jiani Xue, Zhuohang Li, Biny	yan Jiang		
215	Haiping Wu	Nanjing University of Science and Technology	Α	Acc. Competitor
	Ding Ye, Wang Dongyang, S	Su Yixiang		
216	Haiping Wu	Nanjing University of Science and Technology	Α	Acc. Competitor
	Liu Peiyu, Feng Xing, Liu Yo	nghui		
217	Haiping Wu	Nanjing University of Science and Technology	Α	Acc. Competitor
	Jue Wang, Tianshuo Xie, Zi	Han Tang		
219	Haiping Wu	Nanjing University of Science and Technology	Α	Acc. Competitor
	Manjiang Dong, Chuchen F	eng, Sijia Qin		
225	Haiping Wu	Nanjing University of Science and Technology	Α	Acc. Competitor
	Zhihao Sun, Jingyi Du, Char	ngxu Ni		
230	Qu Zijie	Shanghai Jiao Tong University	Α	Acc. Competitor
	Zhu Zimo, Fan Junyu, Huan	g Yikang		
246	Qu Zijie	Shanghai Jiao Tong University	Α	Acc. Competitor
	Huang Han, Shi Weiyi, Heo	ng KuokPeng		
249	Zijie Qu	Shanghai Jiao Tong University	Α	Acc. Competitor
	Zhuoyang Chen, Runqiu Wa	ang, Xu Zhang		
254	Sedighe Sajadian	Isfahan University of Technology	Α	Acc. Competitor
	Nazanin Madakhel, Yalda E	brahimi		
259	Qu Zijie	Shanghai Jiao Tong University	Α	Acc. Competitor
	Luo Hongyi, Shen Yuqian, X	(ue Tianle		
262	Zijie Qu	Shanghai Jiao Tong University	Α	Acc. Competitor
	Cheng Yang, Zhengyang Fu	, Diyan Fu		
264	Shaomeng Qin	Civil Aviation University of China	Α	Acc. Competitor
	Longbao Guan, Zifan Zheng	g, Linkang Dai		

271	Xu Yulong	Qilu University of Technology	Α	Acc. Competitor
	Wei Jiajie, Zeng Chuiyang, H	uang Yingcun		
272	Guo Li	Qilu University of Technology	Α	Acc. Competitor
	Yang Zhongliang, Luo Weika	ng, Yi Dezheng		
273	Guo Li	Qilu University of Technology	Α	Acc. Competitor
	Yan Keang, Jin Shuo, Li Peixi	n		
275	Lei Jie	Qilu University of Technology	Α	Acc. Competitor
	Zhang Qi, Xu Zhangkai, Gu R	tenchen		
277	Zhang Meina	Qilu University of Technology	Α	Acc. Competitor
	Zhu Yanqin, Han Yantong, W	/ang Zhengwen		
278	Zhang Meina	Qilu University of Technology	Α	Acc. Competitor
	Wang Jing, Sun Ang, Zhang Z	Zijian		
282	Zhang Yaolei	Qilu University of Technology	Α	Acc. Competitor
	Shao Jingwen, Wang Yuge, G	Ge Tiantian		
283	Zhang Yujin	Qilu University of Technology	Α	Acc. Competitor
	Yang Lijuan, Chen Liang, Go	u Wentong		
286	Sun Jie	Qilu University of Technology	Α	Acc. Competitor
	Wang Yanbo, Tian Di, Liu Jia	nbo		
287	Sun Jie	Qilu University of Technology	Α	Acc. Competitor
	Sun Wenyu, Qiu Wenxin, Yu	ı Qi		
288		Qilu University of Technology	Α	Acc. Competitor
	Zhang Sidong, Xing Changxir	n, Zhu Enyun		
289		Qilu University of Technology	Α	Acc. Competitor
	An Xu, Li Wuze, Wang Zhiyu			
290		Qilu University of Technology	Α	Acc. Competitor
	Li Yuheng, Yang Hai, Liu Gua	-		
291	_	Qilu University of Technology	Α	Acc. Competitor
	He Yan, Dou Yuhang, Zhao X			
292	_	Qilu University of Technology	Α	Acc. Competitor
	Lu Zhaoxin, Zhang Rui, Liu Q		_	
293		Qilu University of Technology	Α	Acc. Competitor
	Li Jianjun, Liu Xinjia, Zhu Shu	-		
294	-	Qilu University of Technology	Α	Acc. Competitor
200	Zhang Tongxu, Xu Xuezheng			
298		Shanghai Jiaotong University	Α	Acc. Competitor
	Xu Chenhong, Ying Yichen, Z	-		
305	•	Shanghai Jiao Tong University Joint Institute	А	Acc. Competitor
200	Zhou Lekang, Gu JingYu, Liu		•	A C
308		Shanghai Jiao Tong University Joint Institute	Α	Acc. Competitor
244	Haoyuan Shi, Yunzhu Deng,			
311	•	Rajshahi University of Engineering & Technology	А	Acc. Competitor
242		n Shishir, Md. Shafayat Tazoar	^	A C
313		Xi'an Jiaotong-Liverpool University	Α	Acc. Competitor
245	Wenshan Pu, Bowen Duan,		^	Ann Committee
315		Qingdao City University	А	Acc. Competitor
	Li Kun, Xiao Xiangqing, Zhou	і эпасуі		

317 Du Jing Qingdao City Uni	versity	Acc. Competitor
Qiang Lianjie, Guo Wenhao, Liu Zilin		
319 Gao Qiang Qingdao City Uni	versity	Acc. Competitor
Zhang Yunli, Liu Guangyang, Zhang Rongtian		
320 Joel C. Berlinghieri The Citadel	Α	Acc. Competitor
Roy A. Humphreys, Mitchel L. Huott, Jerry W	. Johns	
321 Zijie Qu Shanghai Jiao To	ng University A	Acc. Competitor
Linglong Qian, Yuwei Zhuo, Ninghan Zhao		
326 Yanqiang Li Qingdao Universi	ity A	Acc. Competitor
Jiaqi Wang, Jinrui Ru, Bowen Yang		
333 Li Zhengyuan Qingdao City Uni	versity	Acc. Competitor
Yang Cunxu, Yang Haibing, Zhong Yiyang		
334 Andrew Fowlie Xi'an Jiaotong-Liv	verpool University A	Acc. Competitor
Zhenbang.Yang, Pinyue.Zhang, Jiacheng.Wei		
335 Oishi Jyoti Rajshahi Universi	ity of Engineering & Technology A	Acc. Competitor
Md. Rezwan Hossain, Sadia Afrin, Mahatab U	ddin Sakib	
336 Xi Chen Xi'an Jiaotong-Liv	verpool University A	Acc. Competitor
Fangzhou.Wang, Chennan.Zeng		
339 Oishi Jyoti Rajshahi Universi	ity of Engineering & Technology A	Acc. Competitor
Nabila Ferdous, Jasmin Mustary, Afsara Farih	a Mity	
340 Jianbao Yue Qingdao City Uni	versity	Acc. Competitor
Qirui Tang, Houbin Zhou, Zhikai Qu		
342 Pang Xiaojuan China University	of Mining and Technology A	Acc. Competitor
Lin Rui, Li Datao, Sha Xinxing		
349 Md. Azmain Yakin Srizon Rajshahi Universi	ity of Engineering and Technology A	Acc. Competitor
Puspita Rahman, Rojleen Haque Neha, Sanjid	a Sara	
351 Ma Yan Tongji University	Α	Acc. Competitor
He JinZhao, Xiao ZhiHui, Liu ShuQi		
352 Ma Yan Tongji University	Α	Acc. Competitor
Tang Yiheng, Qiao Kenuo		
358 MA Yan Tongji University	Α	Acc. Competitor
Lei Xu, Zhang HongYi, Fu BinShu		
359 MA Yan Tongji University	A	Acc. Competitor
Yan Lizheng		
362 Fang Kai Tongji University	A	Acc. Competitor
Feng Bo, Xiong Xin, Wang Muzi		
377 Zhang Jianwei Tongji University	A	Acc. Competitor
Wu Yifan, Liang Li, Zhou JiaXuan		
379 Zhang Jianwei Tongji University	А	Acc. Competitor
Shi Zihan, Liu Jie		
381 Zhang Jianwei Tongji University	А	Acc. Competitor
Deng Yan, Wang Siyu		
383 Zhang Jianwei Tongji University	Α	Acc. Competitor
Li Peiyang, Yang Yaobin, Zhang Shuhan		
392 Zhang Yingli Tongji University	Α	Acc. Competitor
Liu Qibo, Liu Xi , Cao Hongzhou		

Liu Shunji, Zhang Yaotian, Chen Qian	mpetitor
	mpetitor
Wang Zexuan, Si Wen, Zhang Qichao	
· · · · · · · · · · · · · · · · · ·	mpetitor
Gao RuiChao, Chen Mingwei, Yang Zhiyuan	
402 Arthur Moraes Xi'an Jiatong Liverpool University A Acc. Co	mpetitor
Yang Luo, Weipeng Xie, Xinyi Wang	
403 Qu Zijie Shanghai Jiao Tong University A Acc. Co	mpetitor
Xu Guanyu	
	mpetitor
Mahbub Uz Zaman, Nazifa Anjum, Mst. Shamsun Nahar Shaishab	
409 Qu Zijie Shanghai JiaoTong University Joint Institute A Acc. Co	mpetitor
Guo Chang, Hong Yicheng, Zhang Yilin	
414 Thijs Kouwenhoven Xi'an Jiaotong-Liverpool A Acc. Co	mpetitor
Haoyuan Ding, Yichen Xue, Yufei Zhou	
415 Ma Yan Tongji University A Acc. Co	mpetitor
Chen Yingqi	
416 Neils Gresnigt XJTLU A Acc. Co	mpetitor
Xiao Lan, Jieshi Li	
418 Torikul Islam Khulna University A Acc. Co	mpetitor
Mahedul Islam, Chandrika Mondol, Ashifujjaman Sourav	
419 Ma Yan Tongji University A Acc. Co	mpetitor
Li YongKang, Zhang RongKang, Xu HaoRan	
421 Xiuhui Chen Qingdao City University A Acc. Co	mpetitor
Yang Song, Wentao Zhao, Liangchen Gai	
423 Ma Yan Tongji University A Acc. Co	mpetitor
Qin Xiao, Wu XinYi	
424 Md. Azmain Yakin Srizon Rajshahi University of Engineering and Technology A Acc. Co	mpetitor
Mohd. Tousif-E-Khuda, Spandan Basu, Susmita Paul	
428 Ma Yan Tongji University A Acc. Co	mpetitor
Pan Yongwei	
453 Yu Tongpu National University of Defense Technology A Acc. Co	mpetitor
Zhong Fengrong, Sun Xun, Li Zihao	
475 Li Xiaofen Shanghai Jiao Tong University A Acc. Co	mpetitor
Xiong Zhenxiang	
482 Shyamal Ranjan Chakrabort University Of Chittagong A Acc. Co	mpetitor
Arka Biswas Saikot	
484 Li HongSen Qingdao University A Acc. Co	mpetitor
Han Bin, Chen JiaXu, Zu Guangyue	
485 Denis Tramonte Xi'an Jiaotong-liverpool University A Acc. Co	mpetitor
Jin ZhiShuo, Liu YuTong	
487 Zijie Qu Shanghai Jiao Tong University Joint Institute A Acc. Co	mpetitor
Zhiyuan Ning, Yu'en Luo, Chengzhuo Guo	
490 Meenakshi Viswanathan Birla Institute of Technology and Science A Acc. Co	mpetitor
Shyam Girish Kolegudu, Yuva Himanshu, Pranav Vasishta	

491	Oishi Jyoti	Rajshahi University of Engineering and Technology	Α	Acc. Competitor
	Ruhina Tabasshum Prome,	Bushra Farzin, Faisal Hossain Raquib		
495	Thijs Kouwenhoven	Xi'an Jiaotong-Liverpool University	Α	Acc. Competitor
	BoYun Pang, HaoFei Wang,	ChengKe Zhang		
498	B Oishi Jyoti	Rajshahi University of Engineering and Technology	Α	Acc. Competitor
	Parisa Reza, Tahia Tanajjalu	ı Fateha, Marjana Khanam Roza		
506	5 Wu Hong	Chongqing University of Posts and Telecommunications	Α	Acc. Competitor
	Liu Xin, Yan Laijin, Fu Yingxi	n		
510	) Ma Yan	Tongji University	Α	Acc. Competitor
	Wang Yixuan, Wang Zimu, I	Hong Yi		
512	2 Oishi Jyoti	Rajshahi University of Engineering & Technology	Α	Acc. Competitor
	Sudipto Saha, Shamanta Re	zwana, H.M Rezvey Haque Shaikat		
521	L Oishi Jyoti	Rajshahi University of Engineering & Technology	Α	Acc. Competitor
	Samiha Sumaia Joyeeta, Sad	dman Sabab, Md. Shahriar Sajid		
527	7 Oishi Jyoti	Rajshahi University of Engineering & Technology	Α	Acc. Competitor
	Humaira Tasnim, Sharika Ta	asnim		
528	3 Md. Rasadujjaman	Mawlana Bhashani Science and Technology University	Α	Acc. Competitor
	Jubayer Ahmed Jitu, Shahri	ar Hasan Shakib, Syed Habibul Basher		
530	Oishi Jyoti	Rajshahi University of Engineering & Technology	Α	Acc. Competitor
	Tanha Farzana, Radwan Kho	ondokar, Dalia Segufta		
536	6 Mohammad Shahjahan	University of Chittagong	Α	Acc. Competitor
	Md. Ratin Hossain, Md. Mo	barak Hossen, Md. Shafin Ahmed		
539	Sunil Kumar	University of Delhi	Α	Acc. Competitor
	Lakshya Nagpal, Aditya Kun	nar, Akash Kumar		
541	L Sunil Kumar	University Of Delhi	Α	Acc. Competitor
	Yug Sharma, Arman Yusuf, I	Mohsin Imran		
543	B Cesar Bonilla	Universidad Católica del Norte	Α	Acc. Competitor
	Katherine Rodriguez, Kiara	Gastiaburu, Angelo Delmonaco		
549	Quazi Muhammad Rashed I	University of Chittagong	Α	Acc. Competitor
	Md. Abdul Kader, Foisal Ah	mmad, Faysal Sharker		
560	) Yan Zhao	Xi'an Jiaotong-Liverpool University	Α	Acc. Competitor
	Yiheng Chen, Yifan Jin, Rui I	Liu		
563	3 Shyamal Ranjan Chakrabort	t University of Chittagong	Α	Acc. Competitor
	Rayhan Uddin, Md. Hasan N	Mahmud Sajib,		
564	l Yanmin Hu	Civil Aviation University of China	Α	Acc. Competitor
	Kang Li, Dizhi Guo, Zhiyuan	Tan		
565	Kai Chen	Nanjing University of Science and Technology	Α	Acc. Competitor
	Yuting Hu, Jingyi Su			
567	' Shyamal Ranjan Chakrabort	t University of Chittagong	Α	Acc. Competitor
	Md Rafsan Jani Riaz, Fahmi	da Hoque Akhee, Ohedul Ahad Himel		
569	Hao Yu	Xi'an Jiaotong-Liverpool University	Α	Acc. Competitor
	Anyu Shen, Kechun Zheng,	Ziyiyang Zhou		
572	2 Mohammad Shahjahan	University of Chittagong	Α	Acc. Competitor
	Israt Sultana Eithu, Md. Ma			
573	B Li Yanqiang	Qingdao University	Α	Acc. Competitor
	Zhu Yanxiang, Liu Hongyan,	Han Xu		

574 Li Yanqiang	Qingdao University	Α	Acc. Competitor
Quan Le Ran, Du Wen Kai			
577 A. K. M. Rezaur Rahman	University of Chittagong	Α	Acc. Competitor
Saimul Hasan, Shayan Pau	•		
578 Reinard Primulando	Parahyangan Catholic University	Α	Acc. Competitor
Vincentius Evan Wijaya Tj			
581 Ma Yan	Tongji University	Α	Acc. Competitor
Zhexian Gao, Shinong Fu			
584 Tiago Adorno	Xi'an Jiaotong-Liverpool	Α	Acc. Competitor
Chuangyi Li, Yanzhe Lin			
590 Wang Xi	National University of Defense Technology	Α	Acc. Competitor
Guchen Yuan, Cao Zewen			
592 Anock Somadder	Shahjalal University of Science & Technology	Α	Acc. Competitor
Md. Shakil, Jubayer Ahme	d Polash, Shuhush Talukder		
594 Ma Yan	Tongji University	Α	Acc. Competitor
Liu Xinke			
597 Abdul Hannan	Shahjalal University Of Science And Technology	Α	Acc. Competitor
	r Ahmed Utsho, Khaleda Akter		
604 Jasper Halekas	University of Iowa	Α	Acc. Competitor
Owen Fiedorowicz, Ashley			
605 Jasper Halekas	University of Iowa	Α	Acc. Competitor
Augustin Heitman, Luke T	hompson		
609 Md. Kamal Hossain	Jahangirnagar University	Α	Acc. Competitor
Sujana Islam Oishi, Naorin	ı Jahan Tamanna, Ramis Maisa		
610 Md. Kamal Hossain	Jahangirnagar University	Α	Acc. Competitor
Gulshan Ara Pushpo, Jaka	ria Hoshin Rone, Farhan Ishraq Tushar		
611 Md. Kamal Hossain	Jahangirnagar University	Α	Acc. Competitor
Abid Hasan Khan Koushik,	Sedratul Muntaha, Abid Hasan		
612 Md. Kamal Hossain	Jahangirnagar University	Α	Acc. Competitor
Munna, Habiba Sultana Ba	anna, M A Shaif		
613 Shen Xiaobo	Nanjing University of Science and Technology	Α	Acc. Competitor
Huang Chihan			
614 David Olsgaard	Simpson College	Α	Acc. Competitor
Kayla Jensen, Kate Huising			
621 Anock Somadder	Shahjalal University of Science and Technology	Α	Acc. Competitor
Md. Hasibul Kabir, Habibu	ır Rahman		
623 Bachar Mourched	American University of the Middle East	Α	Acc. Competitor
Hassan Mahdi Behbahani	Pour, Abdulrahman Adel Jassim Borashed,		
625 Jaseer Ahmed	Shahjalal University of Science & Technology	Α	Acc. Competitor
Ahamad Hasan Sakib, Fari	ha Yasmin, Tanmoy Hasan Shapath		
628 Haiping Wu	Nanjing University of Science	Α	Acc. Competitor
Xinran Yu, Runying Zhang,	, Jiani Yin		
629 Md. Kamruzzaman	University of Dhaka	Α	Acc. Competitor
Ryhana Tasnim, Farhan No			
637 Zhang Jiajie	National University of Defense Technology	Α	Acc. Competitor
Li Hongwei, Bie Jiannan, S	hi Lei		

639	Jaseer Ahmed	Shahjalal University of Science and Technology	Α	Acc. Competitor
	Shanto Babu Das, Mohamn	nad Iqbal Hossain, Hridita Das		
641	Zhang Yujin	Qilu University of Technology	Α	Acc. Competitor
	Wang Wenjie, Wang Longp	ing, Qiang Shiwen		
651	Birosz Márton Tamás	ELTE - Eötvös Loránd University	Α	Acc. Competitor
	Aysu Ismayilova			
657	Paweł F. Góra	Jagiellonian University	Α	Acc. Competitor
	Aleksandra Gmurowska, Ja	kub Kozłowski, Hubert Herman		
662	Yang Zhang	China University of Mining and Technology	Α	Acc. Competitor
	Zichen Zhang, Siwei Li, Shengshuang Ren			
524-2	Oishi Jyoti	Rajshahi University of Engineering & Technology	Α	Acc. Competitor
	Promit Biswas, Safal Kumar Biswas, Sajib Biswas			

## **Problem B: Trampoline Jumping**

Team	Sponsor/Students	Institution	Prob	Rank
102	Wang Aiji	Beijing Normal University	В	Gold Medal
	Wang Xuanyu, Dong Kunkai	i, Huang Binyang		
138	Zijie Qu	Shanghai Jiao Tong University Joint Institute	В	Gold Medal
	Yanze Yu, Xinzhe Juan, Ming	grui Li		
471	Michał Zdziennicki	University of Warsaw	В	Gold Medal
	Jerzy Gamdzyk, Jan Kossack	i, Andrzej Tyc		
116	Xiaofen Li	Shanghai Jiao Tong University Joint Institute	В	Silver Medal
	Zhou Yusheng, Zhou Jin, Yu			
133	Qu Zijie	Shanghai Jiao Tong University Joint Institute	В	Silver Medal
	Zhe Li, Haoxuan Zeng, Shuo	yu Chen		
241	Qu Zijie	Shanghai Jiao Tong University	В	Silver Medal
	Yang Xi, Luan Haoyang, You	Yuchen		
248	Qu Zijie	Shanghai Jiao Tong University	В	Silver Medal
	Meng Zi, Li Xiang, He Qilin			
257	Qu Zijie	Shanghai Jiao Tong University	В	Silver Medal
	Zhu Chiheng, Gao Shenghar	n, Huang Zhongqi		
296	Leng Jiancai	Qilu University of Technology	В	Silver Medal
	Zhang Huaqin, Zhu Xuegen,	Wang Junhao		
304	Qu Zijie	Shanghai Jiao Tong University Joint Institute	В	Silver Medal
	Xia Yiwei, Xu Jiaqiu, Yu Zhe			
324	Hu Wei	Qilu University of Technology	В	Silver Medal
	Wang Ziqin, Di Xianfei, Li Ya	noyu		
337	Md Enamul Hoque	Shahjalal University of Science and Technology Sylhet	В	Silver Medal
	Md Sumon Ahmed, Fahim A	Ahmed, Gogon Chanda		
341	Jie Zhao	Qingdao City University	В	Silver Medal
	Changwei Gu, Xin Liu, Ying	Gu		
346	Alfredo Aranda	Universidad de Colima	В	Silver Medal
	Daniel Alejandro Aranda Za	mora, María José Nande Preciado, Víctor Hugo Figueroa Llamas		
348	Luis Garza Gaona	Universidad de Colima	В	Silver Medal
	Emilio Estrada Heredia, Chr	istopher Puga Cerda, Ian Rincón Radillo		
354	Ma Yan	Tongji University	В	Silver Medal
	Yuan YuChen, Zheng XiaoBe	ei		
367	Fang Kai	Tongji University	В	Silver Medal
	Zhang Chengyue, Huang Xio			
376	Zhang Jianwei	Tongji University	В	Silver Medal
	Bai Kunzhuo			
380	Zhang Jianwei	Tongji University	В	Silver Medal
	Xu Ruokun, Pan Xinyu, Cui I	_		
382	Zhang Jianwei	Tongji University	В	Silver Medal
	Deng Xianchen			
386	Zhang Jianwei	Tongji University	В	Silver Medal
•••	He Yujiang		_	611
434	Qin Jingu	National University of Defense Technology	В	Silver Medal
	Lv Chengjun, Xu Qizhen, Xu	e rengxiang		

4	443 Qin Jingu	National University of Defense Technology	В	Silver Medal
	Li Shuo, Huang Dingtian,	Liu Yang		
4	444 Zhang Sen	National University of Defense Technology	В	Silver Medal
	Xie Yuyang, Li Yi, Du Yiha			
4	446 Yu Tongpu	National University of Defense Technology	В	Silver Medal
	Li Jiaqi, Yu Boao, Yang Ye			
4	461 Liu Yonglu	National University of Defense Technology	В	Silver Medal
	Gu Zhaoyang, Wang Yuns			
į	518 Ma Yan	Tongji University	В	Silver Medal
	Sun Ruizhang, Cao Zheng			
į	523 Ma Yan	Tongji University	В	Silver Medal
	Wang Baoning			
(	653 Michał Zdziennicki	University of Warsaw	В	Silver Medal
	Krystyna Syty, Krzysztof F	Rak, Victoria Vasileuskaya		
-	122 Liyan Liu	Civil Aviation University of China	В	Bronze Medal
	Yunge Zhang, Kun Li, Xua	nru Qian		
-	127 Shao-Meng Qin	Civil Aviation University of China	В	Bronze Medal
	Ke-Yu Ai, Jia-Xin Dong, Ha	ai-Yao Du		
-	191 Haiping Wu	Nanjing University of Science and Technology	В	Bronze Medal
	Zhixiang Zhang, Xiaowan	Zhu, Yawen Qiao		
-	193 Haiping Wu	Nanjing University of Science and Technology	В	Bronze Medal
	Chengtai Wang, Yuqi Zha	n, Hongming Tao		
-	197 Haiping Wu	Nanjing University of Science and Technology	В	Bronze Medal
	Litao Yan, Chuyi Zheng, S	hijia Lu		
2	204 Haiping Wu	Nanjing University of Science and Technology	В	Bronze Medal
	Zhu Xinzhe, Zhang Fengk	ai, Fang Shiyuan		
2	207 Haiping Wu	Nanjing University of Science and Technology	В	Bronze Medal
	Senxin Zhu, Hao Gao, Yua	anxu Jiang		
2	221 Zijie Qu	Shanghai Jiao Tong University Joint Institute	В	Bronze Medal
	Hanning Zhang, Hubin Ya	n, Keyi Xu		
2	223 Haiping Wu	Nanjing University of Science and Technology	В	Bronze Medal
	Ruoyu Li, Hongyun Zhan,	Jianhao Ye		
2	228 Haiping Wu	Nanjing University of Science and Technology	В	Bronze Medal
	Wang Junhao, Wang Zeta	ao, Tang Zhihe		
2	233 Xiaofen Li	Shanghai Jiao Tong University Joint Institute	В	Bronze Medal
	Zheng Qianhui, Yutong W	/u, Ruikai Yang		
2	240 Qin Shaomeng	Civil Aviation University of China	В	Bronze Medal
	Wu Zexuan, Wen Jiawen,	, Yang Yang		
2	242 Qu Zijie	Shanghai Jiao Tong University	В	Bronze Medal
	Zhang Chenyang, Yan Gu	anju, Fang Haobo		
2	255 Meijie Liu	Qingdao University	В	Bronze Medal
	Yexu Wu, Ruichuan Fan,	Jiangtao He		
2	267 Zijie Qu	Shanghai Jiao Tong University	В	Bronze Medal
	Yifan Chou, Hongliang Lu	, Tao He		
2	280 Gao Xingguo	Qilu University of Technology	В	Bronze Medal
	Lv Yi, Xiao Yunfei, Liu Jink	kun		

306	Zijie Qu	Shanghai Jiao Tong University Joint Institute	В	Bronze Medal
	Haoran Zhang, Yimin Wang	, Rui Jiang		
323	Chen Jiankang	Beijing Normal University	В	Bronze Medal
	Li Haolin, Zhang Pengyu, Li	Jin		
347	Malena Tejeda Yeomans	Universidad de Colima	В	Bronze Medal
	Angel Ploneda Preciado, Da	mian Alejandro de la Cruz Barreda, Christian Eduardo Mendoza N	∕lartír	nez
368	Fang Kai	Tongji University	В	Bronze Medal
	Li Xinghan, Zhang Zhihao			
370	Fang Kai	Tongji University	В	Bronze Medal
	Xu Zihan, Ji Zhe, Zhao Lianz	heng		
387	Zhang Jianwei	Tongji University	В	Bronze Medal
	Li Haochen, Zhang Cheng, V	Vang Zhaofengnian		
406	•	Department of Atomic and Molecular Physics MAHE	В	Bronze Medal
	Bhagavatham Sriramana, D	evangi Singh, Abhiram Bhat		
425	Ma Yan	Tongji University	В	Bronze Medal
	Fan Qingcheng, Lei Shuangt			
426	Kater Murch	Washington University in St. Louis	В	Bronze Medal
	Corbin Tinnon, Daniel Ahma			
437	Peng Gang	National University of Defense Technology	В	Bronze Medal
	Feng Lei, Zhang Haile, Zhu N		_	
458	Zou Debin	National University of Defense Technology	В	Bronze Medal
	Yu Qinhua, Wu Jiaxiong, Liu		_	
468		University of Warsaw	В	Bronze Medal
	Olgierd Żurek, Adam Warov		_	
4/3	Michał Zdziennicki	University of Warsaw	В	Bronze Medal
400		ski, Piotr Borodako, Bartłomiej Lech		Duana Madal
499	Qu Zijie	Shanghai Jiao Tong University Joint Institute	В	Bronze Medal
<b>[17</b>	Li Siyuan, Cao Shujun, Zhan Ma Yan	_	D	Dronzo Model
21/		Tongji University	В	Bronze Medal
522	Xu Yijie Markus Deserno	Carnegie Mellon University	В	Bronze Medal
J32	Colin Hanes, Claire Gist, Rac	·	Ь	bronze iviedai
556	Zhang Lei	China University of Mining and Technology	В	Bronze Medal
330	-	Nawal Mohammed Al-Muntaser	D	Di Olize iviedai
562	A.K.M.Rezaur Rahman	University of Chittagong	В	Bronze Medal
JUL	Amit Chakraborty, Showrav		_	Dronze medar
582	ZiJie Qu	Shanghai Jiaotong University	В	Bronze Medal
	Haohan Yu, Shanyun Yang,	·		
600	Edwin Greco	Georgia Institute of Technology	В	Bronze Medal
	Rasmit Devkota, Zhihan We	· · · · · · · · · · · · · · · · · · ·		
606	Li Yanqiang	Qingdao University	В	Bronze Medal
	Geng Shasha, Su Yating, Zhe	eng Haotian		
624	Sabahudin Vrtagic	American University of the Middle East	В	Bronze Medal
	Fares E A Ali, Razan N F Alo	baid,		
634	Huming Bo	National University of Defense Technology	В	Bronze Medal
	Shijun Wang, Du Jiabao, Soi	ng Guoxi		

113 Zijie Qu	,	В	Acc. Competitor
Chen Zeyi, He Zhuocher			
	The Citadel, The Military College of South Carolina	В	Acc. Competitor
<u> </u>	rio Sias, Matthew Unden	_	
151 Haiping Wu	, 8 ,	В	Acc. Competitor
Zijun Ding, Jiawei Kang,			
181 Haiping Wu		В	Acc. Competitor
Yujia Zhai, Lingyu Shi, C			
	Nanjing University of Science and Technology	В	Acc. Competitor
He Yaorui, Hong Jiahao,			
186 Haiping Wu	, ,	В	Acc. Competitor
Yuheng Fan, Rui Hou, Yo			
	Nanjing University of Science and Technology	В	Acc. Competitor
Yuxin Lu, Gongsen Wan			
209 Haiping Wu	Nanjing University of Science and Technology	В	Acc. Competitor
Baotong Qu, Xiheng Zha	_	_	
213 Haiping Wu		В	Acc. Competitor
Xu Tang, Yi Wang, Yifan		_	
220 Haiping Wu	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	В	Acc. Competitor
Wei Peng, Jinyang Zhen		_	
239 Xuewen Liu	,	В	Acc. Competitor
Yongyang Li, Shuyuan G		_	
· -	Nanjing University of Science and Technology	В	Acc. Competitor
You Junjie, Sun Meng, P		_	
	ned I University of Chittagong	В	Acc. Competitor
	Naima Kabir, Md. Mamunur Rasid	_	
_	Qilu University of Technology	В	Acc. Competitor
Liu Shuo, Li Changyu, M		_	
	Qilu University of Technology	В	Acc. Competitor
Jiang Tian, He Tianzhen	-		A C
295 Leng Jiancai	Qilu University of Technology	В	Acc. Competitor
Bi Tiantian, Wang Yiping			A C
314 Hao Wu	Qingdao City University	В	Acc. Competitor
Quanfa Fan, Wenxiao Li	•	В	Ass Compositor
329 Md. Azmain Yakin Srizo	, , , , , , , , , , , , , , , , , , , ,	В	Acc. Competitor
331 Md. Torikul Islam	ah Al Fahim, Basob Paul Brinta	В	Ass Compositor
Mohammad Abu Jasem	Khulna University	В	Acc. Competitor
		В	Ass Compositor
343 Yan Zhao	XJTLU Zihan Xu	В	Acc. Competitor
Qiya Jiang, Yunbo Guo, 350 Ma Yan		D	Ass Compositor
	Tongji University	В	Acc. Competitor
Fan BenXuan, Qian Mar 357 MA Yan	Tongji University	В	Acc. Competitor
Wang DongLai	Tongji ottiversity	Б	Acc. Competitor
361 Fang Kai	Tongji University	В	Acc. Competitor
Niu Kemeng, Wang Cha	,	ь	Acc. Competitor
ivia Kemeng, wang Cha	osin, Liu siau		

363 Fang Kai	Tongji University	В	Acc. Competitor
Yang Zhuohan			
374 Zhang Jianwei	Tongji University	В	Acc. Competitor
Chen PengJi, Ma ZhaoX	in, Zheng Zelei		
390 Zhang Jianwei	Tongji University	В	Acc. Competitor
Xia WeiBin, Wu HaiPing			
391 Zhang Yingli	Tongji University	В	Acc. Competitor
Huang Rui, Fu MuXin, F	eng Wenzhe		
397 Zhang Yingli	Tongji University	В	Acc. Competitor
Pan Jiuda, Fu Boyang, C	Chen Zhiwei		
399 Zhang Yingli	Tongji University	В	Acc. Competitor
Wei Dong			
400 Ma Yan	Tongji University	В	Acc. Competitor
Liu Zhengjie, Wu Jielun	, Liu Yuda		
401 Jianwei Dai	Qingdao City University	В	Acc. Competitor
Jingfei Wang, Qiuying L	i, Guohui Zhao		
404 Oishi Jyoti	Rajshahi University of Engineering and Technology	В	Acc. Competitor
Shafayata Sultana, May	rsha Yesmin, Tahmina Akter		
412 Oishi Jyoti	Rajshahi University of Engineering and Technology	В	Acc. Competitor
Zannatul Mawa Leion, I	Nourin Tasnim		
417 Oishi Jyoti	Rajshahi University of Engineering and Technology	В	Acc. Competitor
Durjoy Saha, Md.Afjol H	Hossain Joy Bhuiyan, Shuvonkor Shuvo Dey Pijon		
431 Hari Chapagain	La Salle University	В	Acc. Competitor
Ilia Volkov			
452 Yi Wenjun	National University of Defense Technology	В	Acc. Competitor
Zheng Bin, Wang Huimi	in, Zhu Junlin		
457 Zhang Sen	National University of Defense Technology	В	Acc. Competitor
Yan Zhikang, Cai Chenra	an, Wu Zhenyu		
465 Zhang Sen	National University of Defense Technology	В	Acc. Competitor
Dou Haopu, Wei Cheny	ru, Wu Yutong		
470 Michał Zdziennicki	University of Warsaw	В	Acc. Competitor
Jakub Szymankiew, J. N	lozejewski, W Kalinowsk		
474 Michał Zdziennicki	University of Warsaw	В	Acc. Competitor
Piotr Łukawski, Jakub K	ośmicki, Jacek Załęski		
480 Oishi Jyoti	Rajshahi University of Engineering and Technology	В	Acc. Competitor
Md. Jonayed Dewan, M	ld. Tanjim Jahan, Md. Towhidul Alam		
483 Sun Kunyu	Qingdao City University	В	Acc. Competitor
Huang Zheng, Lu Boyar	ı, Wen Hao		
489 Md. Azmain Yakin Srizo	n Rajshahi University of Engineering & Technology	В	Acc. Competitor
Md. Arafatul Islam Tam	im, Faria Islam Zerin, Mayeesha Farjana		
497 Ma Yan	Tongji University	В	Acc. Competitor
Sun Qiyue, Liu Ruihe, N	1a Junhan		
500 Oishi Jyoti	Rajshahi University of Engineering and Technology	В	Acc. Competitor
	Sumaiya Khatun, Mst. Mazeda Noor Tasnim		
501 Md. Nuruzzaman	Rajshahi University of Engineering & Technology	В	Acc. Competitor
Anik Kumar, Udita Roy,	Sabbir Hossain		

504 Oishi Jyoti	Rajshahi University of Engineering & Technology	В	Acc. Competitor
Md. Sajidur Rahman, Nasir	Hasan Ashik, Md. Ashikur Rahman		
508 Oishi Jyoti	Rajshahi University of Engineering and Technology	В	Acc. Competitor
Zareen Tasnim Pear, Moha	ımmad Lutfar Rahman Rifat, Raisa Tarannum		
514 Chunhong Long	Chongqing University of Posts and Telecommunications	В	Acc. Competitor
Zhao Liu, Kun Zhang, Chen	yi Hu		
515 Oishi Jyoti	Rajshahi University of Engineering and Technology	В	Acc. Competitor
Ahsanul Haque Milon, Md			•
533 Xiaofen Li	Shanghai Jiao Tong University	В	Acc. Competitor
Yugang Wang, Weixian Liu		J	Acc. competitor
	Shahjalal University of Science and Technology	В	Acc. Competitor
		Ь	Acc. Competitor
Rifat Rahman Bhuiyan, Na			A
535 Shyamal Ranjan Chakrabo		В	Acc. Competitor
	runnesa Mehero, Sushmita Alam Reya	_	
538 Md. Nuruzzaman	Rajshahi University of Engineering and Technology	В	Acc. Competitor
Humaira Adiba Trisha, Nisł	nat Nabilah, Sumaya Tasnim		
549 Quazi Muhammad Rashed	l University of Chittagong	В	Acc. Competitor
Md. Abdul Kader, Foisal Al	nmmad, Faysal Sharker		
559 Mohammad Nasirul Hoque	University of Chittagong	В	Acc. Competitor
Sazzadul Islam, Sanjana Ta	bassum Nova, Parsha Adiba		
561 Neils Gresnigt	XJTLU	В	Acc. Competitor
Chenchao Xia, Yulin He, Jia	yue Feng		•
568 Mohammad Nasirul Hoque	•	В	Acc. Competitor
	ho, Ashika Hossain Ripa, Tamanna Khanum	_	, , , , , , , , , , , , , , , , , , ,
571 Ariful Alam	Mawlana Bhashani Science and Technology University	В	Acc. Competitor
	ahamudul Hasan Sohag, Md. Saifur Rahman	D	Acc. competitor
579 Janto V. Sulungbudi	Parahyangan Catholic University	В	Acc. Competitor
•		ь	Acc. Competitor
	necillia Jaqueline Abighail, Yurian Ragil Kusumah Harli		A
580 Fang Kai	Tongji University	В	Acc. Competitor
Zhang Yuyu			
586 Zhang Jianwei	Tongji University	В	Acc. Competitor
Chen Kehao			
589 Zhang Lili	National University of Defense Technology	В	Acc. Competitor
Mujialong, Xiaojing Chen, Y	Wang Xuan		
599 Edwin Greco	Georgia Institute of Technology	В	Acc. Competitor
Chureh Atasi, Aleksandr Lu	itsenko, Darin Momayezi		
601 Edwin Greco	Georgia Institute of Technology	В	Acc. Competitor
Benjamin Rodes, Siddhant	Doshi, Nikhita Subramaniarao		·
622 Li Yanqiang	Qingdao University	В	Acc. Competitor
Wu Qiuyu, Wu Zongyu, An			•
626 Sharif Md Sharafuddin	Shahjalal University of Science & Technology	В	Acc. Competitor
	m Md Hakimur Rahman, Syed Mostafizur Rahman	J	Acc. competitor
627 Sharif Md Sharafuddin	Shahjalal University of Science & Technology	В	Acc. Competitor
		ט	Acc. Competitor
	aira Raisa, Sohidul Alam Tamim		Ass Commodity
638 Juraj Tekel	Comenius University in Bratislava	В	Acc. Competitor
vadym Snvydkyi, Anastasia	a Poliienko, Kovár Samuel Peter		

642 Jesús Manuel Sáenz	Universidad Autónoma de Ciudad Juárez	В	Acc. Competitor
Roy Noé Herrera Navarr	o, Omar Alejandro Soto Navarro,		
643 Cancan Rong	China University of Mining and Technology	В	Acc. Competitor
Yihan Liu, Haiyang Men	g, Chengyi Yu		
644 Shahadat Hossain	Shahjalal University of Science and Technology	В	Acc. Competitor
Alif Azam, Pritom Nandi	, Mahbuba Sultana Mukta		
645 Yasuo Ito	Northern Illinois University	В	Acc. Competitor
John Ebersole			
648 Nazia Chawdhury	Shahjalal University of Science & Technology	В	Acc. Competitor
Ananya Auditi Chowdhu	ry		
654 Jaseer Ahmed	Shahjalal University of Science and Technology	В	Acc. Competitor
Anika Tahsin, Md Fakrul	Alam, Md Robiul Islam		
659 Paweł F. Góra	Jagiellonian University	В	Acc. Competitor
Franciszek Ungerhauer,	Michał Mielnicki, Maciej Ziobro		