

# The 2017 All-Ukraine Central Contest report

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The 2017 AUCPC Ukraine Central Contest took place on March, 25, 2017. This year 117 teams from 21 universities and institutes of four Central Ukrainian regions have participated in the contest.

The participating regions of the central Ukraine were: Dnipropetrovsk (and Kryvyi Rih separatly), Kirovograd, Poltava, Cherkasy.

The contest for the central Ukrainian was conducted with the help of [e-judge system](#) running at Sumy State University - <http://olymp.sumdu.edu.ua>

According to the [reservation](#), the distribution of teams on sites was as follows:

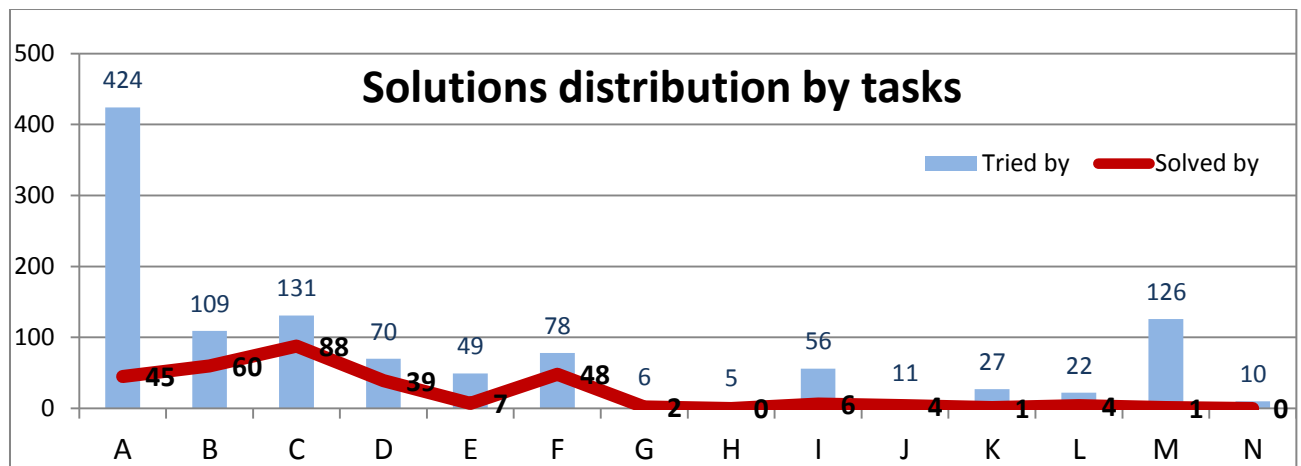
Dnipropetrovsk	35 teams
Kryvyi Rih	26 teams
Kropyvnytskyi (Kirovograd)	18 teams
Poltava	16 teams
Cherkasy	22 teams
total:	117 teams

The set of tasks for all sites was the same. It can be found [here](#).

The scoreboard indicating the current standings of teams was maintained by e-judge system, and can be found [here](#) and [here](#).

The distribution of correct solutions of contest tasks across Ukraine Central Contest this year is as follows (see in tabular and in graph forms):

Task	A	B	C	D	E	F	G	H	I	J	K	L	M	N
Total:	432	110	134	71	49	78	6	5	56	11	27	22	126	10
Success:	46	60	88	39	7	48	2	0	6	4	1	4	1	0
%:	11%	55%	66%	55%	14%	62%	33%	0%	11%	36%	4%	18%	1%	0%



Unfortunately this time the test server was unavailable mainly at the second half of the contest. So, teams solved the tasks locally at their working places in the laboratories and saved their solutions at a specific folder. After the contest the members of organizing committees manually entered solutions into the test system after its performance was fully recovered. The penalty for such solutions were calculated as 300 plus 20 points for each failed attempt.

The lists of teams together with their results is described below (separated by sites).

1) Dnipropetrovsk region: Dnipropetrovsk National University (Dnipro city)

Place	Absolute place	Team	Institution	Task solved	Total time
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1	1	DNU_Ducks	Dnipropetrovsk National University	11	1197
2	2	DNU_Cifeidion	Dnipropetrovsk National University	9	1305
3	4	DNU_47th_Bit	Dnipropetrovsk National University	8	1028
4	5	DNU_Opossums	Dnipropetrovsk National University	7	1206
5	8	NMU_SPQR	National Mining University	6	877
6	10	DNU_MMK	Dnipropetrovsk National University	5	499
7	11	DNURT_Capcha	Dnipropetrovsk National University of Railway Transport Named After Academician V. Lazaryan	5	661
8	15	DNU_Dodger	Dnipropetrovsk National University	4	175
9	17	NMETAU_EK1	National Metallurgical Academy of Ukraine	4	504
10	22	DNU_53	Dnipropetrovsk National University	4	741
11	25	DNU_TTC	Dnipropetrovsk National University	4	958
12	28	DNU_Code_surfers	Dnipropetrovsk National University	3	197
13	33	DNU_BigBugTheory	Dnipropetrovsk National University	3	413
14	34	DNURT_CODEBREAK3RS	Dnipropetrovsk National University of Railway Transport Named After Academician V. Lazaryan	3	432
15	37	DNU_BSoD'ers	Dnipropetrovsk National University	3	484
16	39	DNU_Quantum	Dnipropetrovsk National University	3	509
17	40	DSTU_Premium	Dniprodzerzhinsk State Technical University	3	515
18	42	DNURT_Juniors	Dnipropetrovsk National University of Railway Transport Named After Academician V. Lazaryan	3	637
19	45	DSTU_Nevs_Eremos	Dniprodzerzhinsk State Technical University	3	675
20	46-47	NMU_Lumino	National Mining University	3	682
21	50	DNU_Rosinante	Dnipropetrovsk National University	3	900
22	51-55	DNURT_HESYOAM	Dnipropetrovsk National University of Railway Transport Named After Academician V. Lazaryan	3	920
23	58	DNU_Pss	Dniprodzerzhinsk State Technical University	2	80
24	63	NMETAU_EK	National Metallurgical Academy of Ukraine	2	164
25	65	DSTU_Project	Dniprodzerzhinsk State Technical University	2	334
26	68	DNURT_Excetica	Dnipropetrovsk National University of Railway Transport Named After Academician V. Lazaryan	2	356
27	69	DNU_Wind	Dnipropetrovsk National University	2	366
28	72	DNURT_Triforce	Dnipropetrovsk National University of Railway Transport Named After Academician V. Lazaryan	2	384
29	76-80	DNU_Thunder	Dnipropetrovsk National University	2	600
30	76-80	DNURT_MMD	Dnipropetrovsk National University of Railway Transport Named After Academician V. Lazaryan	2	600
31	85	Reshaper's	Ukrainian State University of Chemical Engineering	1	23
32	86	DNU_Brains	Dnipropetrovsk National University	1	35

33	106-117	NMU_AnimeBoys	National Mining University	0	0
34	106-117	DNU_IQ140+	Dnipropetrovsk National University	0	0
35	106-117	NMETAU_Metal	National Metallurgical Academy of Ukraine	0	0

2) Kryvyi Rih (Dnipropetrovsck region): Kryvyi Rih National University

Place	Absolute place	Team	Institution	Task solved	Total time
1	3	KNU_Tourists	Kryvyi Rih National University	9	1547
2	13	IPPZ_2017_41	Vadym Getman Kiev National Economic University	5	840
3	14	IPPZ_2017_43	Vadym Getman Kiev National Economic University	5	1214
4	16	IPPZ_2017_42	Vadym Getman Kiev National Economic University	4	498
5	18	KNU_crazy_rabbits	Kryvyi Rih National University	4	539
6	19	KNU_AFK	Kryvyi Rih National University	4	561
7	26	KDPU1	Kryvyj Rih State Pedagogical University	4	980
8	35	IPPZ_2017_35	Vadym Getman Kiev National Economic University	3	433
9	48	KDPU3	Kryvyj Rih State Pedagogical University	3	800
10	51-55	IPPZ_2017_33	Vadym Getman Kiev National Economic University	3	920
11	59	KNU_Spanish_inquisition	Kryvyi Rih National University	2	91
12	62	IPPZ_2017_22	Vadym Getman Kiev National Economic University	2	145
13	64	KNU_LMT	Kryvyi Rih National University	2	330
14	67	KNU_DropTable	Kryvyi Rih National University	2	355
15	70	IPPZ_2017_21	Vadym Getman Kiev National Economic University	2	382
16	71	KNU_ReadyToWin(RtV)	Kryvyi Rih National University	2	383
16	74	KDPU2	Kryvyj Rih State Pedagogical University	2	406
18	82	KDPU4	Kryvyj Rih State Pedagogical University	2	620
19	83	IPPZ_2017_31	Vadym Getman Kiev National Economic University	2	700
20	89	KNU_Alfa-Pluto	Kryvyi Rih National University	1	53
21	94	IPPZ_2017_34	Vadym Getman Kiev National Economic University	1	60
22	96	KNU_MaxCode	Kryvyi Rih National University	1	84
23	97-101	IPPZ_2017_32	Vadym Getman Kiev National Economic University	1	300
24	97-101	KNU_Brainsnap	Kryvyi Rih National University	1	300
25	102-103	KNU_pzas15_1	Kryvyi Rih National University	1	320
26	106-117	KNU_SBS	Kryvyi Rih National University	0	0

3) Kirovograd region: Kirovograd National Technical University (Kropyvnytskyi city)

Place	Absolute place	Team	Institution	Task solved	Total time
1	6	KSPU_NotFound	V. Vinnijchenko Kirovograd State	6	550

			Pedagogical University		
2	12	KSPU_HelloWorld	V. Vinnijchenko Kirovograd State Pedagogical University	5	695
3	23	CNTU_DreamTeam	Kirovograd National Technical University	4	918
4	31-32	CNTU_AdaKids	Kirovograd National Technical University	3	411
5	46-47	KSPU_FatalError	V. Vinnijchenko Kirovograd State Pedagogical University	3	682
6-8	51-55	CNTU_HighSkill	Kirovograd National Technical University	3	920
6-8	51-55	CNTU_BFMV	Kirovograd National Technical University	3	920
6-8	51-55	CNTU_BABAX	Kirovograd National Technical University	3	920
9	56	CNTU_CodeBusters	Kirovograd National Technical University	3	980
10	66	CNTU_UTNC	Kirovograd National Technical University	2	354
11	75	CNTU_StarLight	Kirovograd National Technical University	2	508
12	76-80	KSPU_BSOD	V. Vinnijchenko Kirovograd State Pedagogical University	2	600
13	91	KSPU_dotDMN	V. Vinnijchenko Kirovograd State Pedagogical University	1	54
14	92	KSPU_LSD	Kirovograd National Technical University	1	55
15	97-101	CNTU_Discord	Kirovograd National Technical University	1	300
16-18	106-117	KSPU_Triplearray	V. Vinnijchenko Kirovograd State Pedagogical University	0	0
16-18	106-117	KSPU_Full_Stuck_Gods	V. Vinnijchenko Kirovograd State Pedagogical University	0	0
16-18	106-117	KSPU_Heythenberg	V. Vinnijchenko Kirovograd State Pedagogical University	0	0

4) Poltava region: Poltava National Technical University named after Yuri Kondratyuk

Place	Absolute place	Team	Institution	Task solved	Total time
1	7	PoltNTU_Trinity	Poltava National Technical University named after Yuri Kondratyuk	6	610
2	21	PNTU_Knights_of_C#	Poltava National Technical University named after Yuri Kondratyuk	4	715
3	24	PUET_Hard_coders	Poltava University of Economics and Trade	4	947
4	27	PPC_Polytechnic 4	Poltava Polytechnical College by National Technical University 'Kharkov Polytechnical Institute'	3	104
5	38	PUET_Bomg	Poltava University of Economics and Trade	3	503
6	44	PUET_BigBrains	Poltava University of Economics and Trade	3	660
7	49	PNTU_Quasars 2.0	Poltava National Technical University named after Yuri Kondratyuk	3	857
8	61	PNPU_BZTS	Poltava National Pedagogical University named after V.G. Korolenko	2	131

9	76-80	PPC_Polytechnic 2	Poltava Polytechnical College by National Technical University 'Kharkov Polytechnical Institute'	2	600
10	81	PPC_Polytechnic 5	Poltava Polytechnical College by National Technical University 'Kharkov Polytechnical Institute'	2	620
11	90	PUET_Sequence	Poltava University of Economics and Trade	1	53
12	97-101	PPC_Polytechnic	Poltava Polytechnical College by National Technical University 'Kharkov Polytechnical Institute'	1	300
13	104-105	PPC_Polytechnic 3	Poltava Polytechnical College by National Technical University 'Kharkov Polytechnical Institute'	1	340
14-16	106-117	PNPU_PGCT	Poltava National Pedagogical University named after V.G. Korolenko	0	0
14-16	106-117	PoltNTU_CE3_17	Poltava National Technical University named after Yuri Kondratyuk	0	0
14-16	106-117	PNPU_SKMK	Poltava National Pedagogical University named after V.G. Korolenko	0	0

5) Cherkasy region: Cherkasy National University named after Bogdan Khmelnytsky

Place	Absolute place	Team	Institution	Task solved	Total time
1	9	ChNUBKh Alive Cluster	Cherkasy National University named after Bogdan Khmelnytsky	5	459
2	20	ChNUBKh On the Knee Production	Cherkasy National University named after Bogdan Khmelnytsky	4	643
3	29	ChSBC_Gribochky	Cherkasy State Business College	3	353
4	30	ChSBC_Fix	Cherkasy State Business College	3	397
5	31-32	ChSBC_BinaryFoxes	Cherkasy State Business College	3	411
6	36	ChNUBKh 1plus2	Cherkasy National University named after Bogdan Khmelnytsky	3	441
7	41	ChNUBKh Team A++	Cherkasy National University named after Bogdan Khmelnytsky	3	616
8	43	ChSBC_Eagle	Cherkasy State Business College	3	660
9	57	ChNUBKh CppZen	Cherkasy National University named after Bogdan Khmelnytsky	2	64
10	60	SCFT NUFT NULL_POINTER	Smila College of Food Technologies of National University of Food Technologies	2	116
11	73	ChSBC_LAGAG	Cherkasy State Business College	2	401
12	76-80	SCFT NUFT ROOT	Smila College of Food Technologies of National University of Food Technologies	2	600
13	84	ChNUBKh Hopefull	Cherkasy National University named after Bogdan Khmelnytsky	1	16
14	87	ChNUBKh Riders On The Storm	Cherkasy National University named after Bogdan Khmelnytsky	1	38
15	88	CkPT_Megabrain	Cherkasky Polytechnical Technical School	1	41
16	93	ChSTU Padawans	Cherkasy State Technological University	1	56
17	95	ChNUBKh Asimple	Cherkasy National University named after Bogdan Khmelnytsky	1	70
18	97-101	CkPT_Everest	Cherkasky Polytechnical Technical	1	300

			School		
19	102-103	ChNUBKh VVS	Cherkasy National University named after Bogdan Khmelnytsky	1	320
20	104-105	ChSBC_Holint	Cherkasy State Business College	1	340
21-22	106-117	CkMIIT- KNUTD_Iwin&pooh	Kiev National University of Technologies and Design	0	0
21-22	106-117	ChSTU_MLK_team	Cherkasy State Technological University	0	0

Additionally, 19 teams from schools were invited to participate in the contest, without taking their results into account for general standings for the southwest of Ukraine. Their [scoreboard](#) is available as well.

The coordinators are grateful to all participants and colleagues. Special thanks for cooperation to Sergey Petrov (Sumy State University) and Volodymyr Mesyura (Vinnitsia National Technical University).

Finally, the program of the contest was as follows:

Date/time	Action
March, 25, 8-45 – 9-15	Teams registration
March, 25, 9-15 – 9-30	Opening procedure
March, 25, 9-30 – 9-45	Sortition
March, 25, 10-00 – 15-00	Main contest
March, 25, 15-05 – 15-40	Tasks solution discussion
March, 25, 15-40 – 16-10	Awarding procedure

**This year coordinators are:**

- 1) Dnipro (Dnipropetrovsk) site: **Alexander Khizha** Dnipropetrovsk National University
- 2) Kryvyi Rih site: **Andrey Struyk** Kryvyi Rih National University
- 3) Kropyvnytskyi (Kirovograd) site: **Oleksandr Dorenskii** Kirovograd National Technical University
- 4) Poltava site: **Klavdia Solovchuk** Poltava National Technical University named after Yuri Kondratyuk
- 5) Cherkasy site: **Ilya Porublyov** Cherkasy National University named after Bogdan Khmelnytsky