

Programming Jam 8.0

Annual Programming Competition

The Programming Jam 8.0 is an annual programming contest that is organized by the ACM Professional Chapter in Saudi Arabia annually in Prince Sultan University. After the successful previous events, this year, this competition will be open to all students of Universities in Saudi Arabia, as a new form of gathering programmers at national level and as a joint event among Saudi Universities. The contest follows the format of the traditional ACM International Collegiate Programming Contest (ICPC).



Executive Summary

Programming Jam 8.0 is an annual competition organized by ACM's Professional Chapter in Saudi Arabia at Prince Sultan University. Established in 2015, the competition is part of the ACM International Collegiate Programming Contest (ICPC) and the IEEE Extreme competition traditions. The competition is a collaborative initiative open to all university students across Saudi Arabia, promoting a nationwide assembly of programmers. The competition seeks to foster innovation, creativity, collaboration, and problem-solving skills among participants. It offers students an opportunity to showcase their Java programming skills through team-based contests, where each team attempts to solve programming challenges within a 9-hour timeframe.

Participation and Eligibility

- ❖ In its 8th iteration, the event recorded participation from over 312 students forming 104 teams, representing 19 different universities and colleges.
- ❖ Eligible participants include graduate and undergraduate students enrolled in Saudi Arabian universities, irrespective of their major field of study.
- ❖ Participants compete in teams of up to three, with the requirement of working independently without external assistance and under the supervision of a designated proctor.

Event Outcomes

Programming Jam 8.0 observed significant success, strengthening Prince Sultan University's reputation as a leading institution for higher education in computing in Saudi Arabia. The top three winning teams hailed from

King Fahad University for Petroleum and Minerals, University of Prince Muqrin, and the host, Prince Sultan University.

Organizing Committee and Sponsorship

The event is fully sponsored by Prince Sultan University and supervised by the Dean of the College of Computer and Information Sciences, Dr. Mohammad Alshara. The organization team, led by ACM Chapter Chair Dr. Yasir Javed, Dr. Souad Larabi Vice Chair & Dr. Basit Qureshi Programming Jampatron, made this event a success.

Participating Universities

A diverse group of universities participated, including Al Qassim University, AlMaarefa University, Hail University, Imam Abdulrahman bin Faisal University, Imam Muhammad bin Saud Islamic University, Jouf University, King Abdulaziz University, King Fahad University for Petroleum and Minerals, King Faisal University, King Saud University, Najran University, Prince Mohammad bin Fahd University, Prince Sattam bin Abdulaziz University, Prince Sultan University, Princess Noura bint Abdulrahman University, Saudi Electronic University, Umm Al-Qura University, University of Hail, University of Prince Muqrin.

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Gratitude from ACM Chapter KSA to Leadership of Prince Sultan University:

Dear Dr. Ahmed Bin Saleh Al-Yamani and Respected Vice Presidents,
Warm regards to you all.

The Programming Jam8.0 committee would like to extend our sincere thanks and deep appreciation for your undying support, insightful guidance, and inspiring leadership, each of which were crucial elements in the triumphant hosting of the event.

Expressions of Gratitude:

Dr. Ahmed Bin Saleh Al-Yamani, PSU's Guiding Light:

Your relentless pursuit of knowledge, coupled with a vision that sees beyond the ordinary, has transformed Prince Sultan University into a fertile ground where intellect thrives and innovation blooms. The successful unfolding of Programming Jam8.0 is a testament to your guidance that lights our path.

Dr. Saad Bin Saleh Al-Rwaita, The Administrative Pillar

With a firm grasp on the administrative and financial reins, you've provided stability and resources essential for a grand event like Programming Jam8.0. Your dedication to opening doors for student success mirrors through the opportunities created and celebrated during the competition.

Dr. Abdelhafeez Bin Mohamed Feda, The Project Navigator:

Steering the project affairs adeptly, you ensured a well-orchestrated event that aligns perfectly with the esteemed university's goals and aspirations. Your committed approach played a vital role in the smooth sailing of Programming Jam 8.0.

Dr. Heba Bakr Khoshaim, Advocate of Inclusivity:

Your leadership has been pivotal in ensuring that Programming Jam 8.0 is not just a competition but a canvas of diversity and representation. The inclusive spirit you promote has empowered students from all backgrounds to participate and shine.

Dr. Mohammed Bin Abdulrahman Al-Misher AlJebreen, The Academic Strategist:

Your acumen in academic planning and strategic thinking ensured that the event wasn't merely a contest but a learning experience that added value to the participants' academic journey, setting new benchmarks for excellence and relevance in student-centric initiatives.

In the final analysis, your collective leadership and support have been the backbone of the success story that is Programming Jam 8.0. This endeavor reflects the fruit of your commitment to fostering an environment where education and innovation coalesce seamlessly.

With heartfelt thanks and looking forward to more collaborative successes ahead,

Dr. Yasir Javed and Dr. Souad Larabi

Chair and Vice Chair ACM Professional Chapter KSA

Prince Sultan University

About Programming Jam 8.0

The Programming Jam 8.0 is an annual programming contest that is organized by the ACM Professional Chapter in Saudi Arabia annually in Prince Sultan University. After the successful previous events, this year, this competition will be open to all students of Universities in Saudi Arabia, as a new form of gathering programmers at national level and as a joint event among Saudi Universities. The contest follows the format of the traditional ACM International Collegiate Programming Contest (ICPC). This programming contest falls under the umbrella of ACM Professional Chapter in Saudi Arabia and is organized by the College of Computer and Information Sciences of Prince Sultan University to nurture the innovation, creativeness and collaboration to help and support new groups of software programs. It also helps the students to test their ability to perform well under pressure with limited time.


The Programming Jam is a team-based, virtual programming competition organized by the ACM Chapter in Saudi Arabia, in which teams from Saudi universities compete in a 9-hour time span against each other to solve a set of programming challenges. The competition is open to all students from local universities, offering them a national forum to compete, contribute and excel at problem solving using the Java programming language.

The Programming Jam competition takes its roots from the yearly IEEE Extreme competition and the ACM ICPC. Founded in 2015 by Dr. Basit Qureshi, Chair Department of Computer Science at Prince Sultan University, the Programming Jam competition is annually held under the auspices of ACM Saudi Arabia Chapter.

The Competition has gained popularity and has become a “brand” with a record number of students participating in teams from all universities and colleges in Saudi Arabia. The event is completely sponsored by Prince Sultan University and is generally supervised by Dr. Mohammad Alshara, Dean College of Computer and Information Sciences, Prince Sultan University. The organization team is lead by ACM chapter Chair Dr. Yasir Javed and the team includes Dr. Basit Qureshi, Dr. Souad Larabi, Mr. Zafar Iqbal Khan, Ms. Roohi Jan and Ms. Maram Alajlan.

In its 8th iteration, the Programming Jam 8.0 was a resounding success and has brought good reputation to Prince Sultan University and has cemented its dominance in the national academia as a leading institution of higher education in Computing. A total of 312+ students registered in 104 teams from 19 different Universities and Colleges from around the Kingdom.

More details about Programming Jam 8.0 can be found at <http://acmpsu.com/pjam>



Participating Universities	19
Total Number of Teams	104
Number of Challenges	12
Duration	9h:00m:00s
Number of Male Teams	36
Number of Female Teams	68

Eligibility

Following are the conditions that teams have to satisfy

- Participants must compete as part of a team. Teams are comprised of up to 3 graduate or under graduate students currently doing their study in a Saudi University, governmental or private.
- There is no restriction on students declared major program of study. Student from all major programs of study are welcome.
- All contestants must register before the competition.
- Team members must solve and complete the problems without assistance from others. Please note that the intent and spirit of the competition is for the students, not others, to solve a problem.
- Teams must have a proctor to supervise during the 09 hours competition. Each team must provide the name of proctor when registering. Persons acting as proctor must limit the level of support and must not contribute in any other form that might be considered original authorship, or in any way that may enable claims of rights or ownership to the submitted entries. Proctors in no case will work-on-behalf of teams or individuals be allowed. Proctors would have to monitor student throughout the period of the competition.

The Call for Programming Jam 8.0



CCIS كلية علوم الحاسب والمعلومات
COLLEGE OF COMPUTER &
INFORMATION SCIENCES



مسابقة البرمجة PROGRAMMING JAM 8.0



ANNUAL KSA'S NATIONAL'S
JAVA PROGRAMMING COMPETITION



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Winners of Programming JAM 8.0 (PJAM8.0)

Programming Jam8.0 showcased immense talent with students from various universities in Saudi Arabia competing fiercely. Below is an overview of the top teams that emerged victorious in the competition.

Top Five Winners of Programming Jam 8.0:

1. First Place: BrokenCodePJAM - King Fahad University for Petroleum and Minerals (KFUPM)

❖ Team Members:

- Leader: Nussair Adel Hroub
- Ahmad Khalil Al Haid
- Rashed Essam Jafry

❖ Mentor: Abdulmjeed Abdullah Alotman

The team demonstrated exceptional problem-solving skills and programming acumen to secure the first place in the competition.

2. Second Place: 3Pointers_ - University of Prince Mugrin

❖ Team Members:

- Leader: Albaraa Hasan
- Mohammed Basuliman
- Omar Mazen

❖ Mentor: Dr. Mohamed Zayed

3Pointers_ excelled with their teamwork and adept application of Java programming principles, earning them the second spot.

3. Third Place: GigaFormers - Prince Sultan University (PSU)

- ❖ TeamMembers
 - Leader: Serry Sibae
 - Abdulaziz Al-Alshaikh
 - Faisal Alagla
- ❖ Mentor: Dr. Basit Qureshi

With a stellar performance, GigaFormers from the host university secured third place, showcasing their programming prowess and strategic problem-solving.

4. Fourth Place: JavaCorp - Imam Abdulrahman bin Faisal University

- ❖ TeamMembers
 - Leader: Radwan Ali Albahrani
 - Ali Abdulalah AlDhamen
 - HUSSAINTALALALATTAS



JavaCorp demonstrated commendable effort and skills, making them worthy of acknowledgment for their participation and fourth-place win.

5. Fifth Place: Xera_Team - Prince Sultan University (PSU)

- ❖ TeamMembers
 - ❖ Leader: Reem Hejazi
 - ❖ Nour Alakhras
 - ❖ Ayat Abodayeh
- ❖ Mentor: Dr. Anees Ara

Xera_Team from Prince Sultan University showcased remarkable teamwork and proficiency in Java programming, landing them in the fifth position in the competition.

Each of these top-performing teams displayed individual brilliance, effective teamwork, and strategic thinking under pressure, highlighting the promising talent present in Saudi Arabia's academic institutions in the field of computer science and programming.

Rank	University	Student Names
1	 <p>King Fahad University for Petroleum and Minerals</p>	Nussair Adel Hroub, Ahmad Khalil Al Haid, Rashed Essam Jafry
2	 <p>University of Prince Mugrin</p>	Albaraa Hasan, Mohammed Basuliman, Omar Mazen
3	 <p>Prince Sultan University</p>	Serry Sibae, Abdulaziz Al-Alshaikh, Faisal Alagla

Top 10 Teams

Rank	University	Team Name	Leader Name	Member 1	Member 2	Mentor Name
1	King Fahad University for Petroleum and Minerals	BrokenCodePJAM	Nussair Adel Hroub	Ahmad Khalil Al Haid	Rashed Essam Jafry	Abdulmjeed Abdullah Alothman
2	University of Prince Mugrin	3Pointers_	Albaraa Hasan	Mohammed Basuliman	Omar Mazen	Dr. Mohamed Zayed
3	Prince Sultan University	GigaFormers	Serry Sibae	Abdulaziz Al-Alshaikh	Faisal Alagla	Dr. Basit Qureshi
4	Imam Abdulrahman bin Faisal University	JavaCorp	Radwan Ali Albahrani	Ali Abdulelah AlDhamen		HUSSAIN TALAL ALATTAS
5	Prince Sultan University	Xera_Team	Reem Hejazi	Nour Alakhras	Ayat Abodayeh	Dr. Anees Ara
6	King Fahad University for Petroleum and Minerals	Recursion123	Ziad Al-Alami	Mohammad Rashad	Marwan Al-Khayat	Abdulmjeed Abdullah Alothman
7	Prince Sultan University	ZeroesAndOnes_	Meer Husamuddin	Syed Fawaz Ali	Sulaiman Abdullah Alluhaib	Dr. Basit Qureshi
8	Jouf University	JOUF3	Ali Yasser Ali	Mohammed Khalid Alanzi	Maaz Abdelfatah elfadil Gasmelsied	Dr. Hisham Allahem
9	Imam Abdulrahman bin Faisal University	Code_AvengersIAU	Anas Malek Algunaid	Mohammed Majid Althobaiti	Mohammed Marwan Alarjan	Hussain Talal Alattas
10	King Abdulaziz University	FCITR	Khalid Hamdan Alaslani	Hasan Naji	Amer siraj alzubaidi	Prof.Dr. Ahmad Hoirul Basori

Prince Sultan University Top 10 Teams

PSU RANK	Porgramming Jam Rank	Team Name	Leader Name	Member 2 Name	Member 3 Name	Faculty Mentor Name
1	3	GigaFormers	Serry Sibae	Abdulaziz Al-Alshaikh	Faisal Alagla	Dr. Basit Qureshi
2	5	xEra	Reem Hejazi	Nour Alakhras	Ayat Abodayeh	Dr Anees Ara
3	9	ZeroesAndOnes	Meer Husamuddin	Syed Fawaz Ali	Sulaiman Abdullah Alluhaib	Dr Basit Qureshi
4	15	bigoh_1	Khaled Hany Almansour	Osama Azab		Dr. Syed Umar Amin
5	21	Byters	Mohammad Bejad Alharbi	Turki Alghamedy		Dr. Basit Qureshi
6	24	IMRPSU	Rayan Benkhelifa	Mahmoud Aroba	Ibrahim Bazzoun	Dr. Basit Qureshi
7	27	Mechanics	Harith Alrashoudi	Hisham Alsaadawi	Mohammed Alabasi	Dr. Yasir Javed
8	31	script_squad	Wesam Atyeh	Mohammed Samer Marouf	Hamzah Kurdi	Dr. Basit Qureshi
9	33	Teletubbies	Muddassir Khalidi	Saeed Lababidi	Ishmaeel Meskinyar	Dr. Yasir Javed
10	53	405ErrorFound	Zainab Mariya Mohiuddin	Asma Vaheed Khan	Naureen Hoda	Miss Layal Kazma

List of Mentors participating in Programming Jam 8.o

Abdulelah Hakami
Abdullah bin Samran AlHarbi
Abdulmajeed Alothman
Ahmed Zohair Ibrahim
Amira bin Rabih
Basimah Aljehani
Basma Abdulaziz Alsouli
Basma Alqadi
Dr Anees Ara
Dr Basit Qureshi
Dr. Ahmed Ibrahim
Dr. Ahmed Ibrahim
Dr. Ahmed Zohair Ibrahim
Dr. Doaa Sami
Dr. Eman Abdullah Aldakheel
Dr. Hisham Allahem
Dr. Syed Umar Amin
Dr. Wejdan Alsaeedan
Dr. Yasir Javed
Dr. Zeyad Ghaleb Al-Mekhlafi
Dr.Ahmed ibrahim
Dr.Malikhah Lutfi alruqayyiq
Dr.Sara Ghorashi
Enas Alrehaili
Fahman Ali Esamil Saeed
Fathimathul Rajeena
Hussain Talal Alatas
Jamal Nasser Abdullah Al-Otaibi

Manan Muhammad Al-Muslim
Mannan Muhammad Zayed AlMuslum
Marwa Alrehili
Mohammed Alkhatib
Mohammed dahab
Ms Layal Kazma
Nabil Almashfi
Nada Ibrahim Mohamed Al-Hathly
Noura Rabah
Prof.Dr. Ahmad Hoirul Basori
Prof.Wassem Abdalkayom
Saad Abdur Rahman Alharthi
Sarah Mohammed AlJomman
Sarah Salman Almoaiqel
Shabana Ziyad Puthu Vedu
Shakir Khan
Soad Mohammed Almula
Sultan Aldera
Waseem Ahmed
Waseem Ahmed Abdulkhayoom
Wejdan Mohammed Abdul Rahman bin Saedan
Wojdan Mohammed Bin Saeedan
Yousef Muhammad Saad Alhamdan
Zeenat Al Kassim
Ziyad Bin Abdullah Alsheikh
Zafar Iqbal Khan

List of Universities participating in programming Jam 8.0

Al Qassim University
AlMaarefa University
Hail University
Imam Abdulrahman bin Faisal University
Imam Muhammad bin Saud Islamic University
Jouf University
King Abdulaziz University
King Fahad University for Petroleum and Minerals
King Faisal University
King Saud University
Najran University
Prince Mohammad bin Fahd University
Prince Sattam bin Abdulaziz University
Prince Sultan University
Princess Noura bint Abdulrahman University
Saudi Electronic university
Umm Al-Qura University
University of Hail
University of Prince Muqrin

Summary

Programming Jam8.0, organized by ACMs Professional Chapter in Saudi Arabia at Prince Sultan University, successfully convened talented students from across the nation for an exemplary showcase of programming skill and innovation. This annual competition, firmly rooted in the traditions of the ACM ICPC and IEEE Extreme competition, has evolved into a significant academic event in the realm of computer science and programming in Saudi Arabia.

Key Highlights:

Diverse Participation:

The event witnessed enthusiastic participation from 312+ students, forming 104 robust teams representing 19 prominent universities and colleges across the kingdom. The competition proved to be an inclusive platform, welcoming students from various academic backgrounds and majors.

Competition Structure:

Programming Jam8.0 was structured as a 9-hour contest where teams grappled with challenging programming problems, employing their Java programming skills and problem-solving acumen under pressure.

Top Performers:

Teams 'BrokenCodePJAM' from KFUPM, '3Pointers_' from the University of Prince Muqrin, and 'GigaFormers' from PSU distinguished themselves, securing the top three positions respectively. These teams exemplified technical mastery, strategic thinking, and exemplary teamwork.

Organizational Excellence:

The competition was meticulously organized under the sponsorship and supervision of Prince Sultan

University, with significant contributions from ACMs Saudi Chapter and the committed organizing team led by

Dr. Yasir Javed, Dr. Souad Larabi and Dr. Basit Qureshi.

Acknowledgments

ACM Chapter KSA would like to thank the contributions of following

1. Dr. Mohammed Ali Alshara
2. Dr. Yasir Javed
3. Dr. Souad Larabi
4. Dr. Basit Qureshi
5. Mr. Zafar Iqbal Khan
6. Ms. Maram AlAjlan
7. Ms. Roohi Jan
8. Dr. Anees Ara

Academic Collaboration:

The event not only served as a competitive platform but also fostered collaboration, networking, and exchange of knowledge among the participating students and institutions, thereby contributing to the academic and professional development of the participants.

Concluding Remarks:

Programming Jam 8.0 has undoubtedly contributed to nurturing and spotlighting the burgeoning talent in the field of programming within Saudi Arabia. The event's success and its growing popularity among academic

institutions underscore its impact and relevance in fostering a culture of academic excellence, collaboration, and competitive spirit among students.

The continued success of Programming Jam is anticipated to inspire and engage more students in the coming years, further consolidating its position as a premier programming competition in the kingdom. The organizers and participants alike can look back on Programming Jam 8.0 with pride, taking valuable insights, experiences, and memories forward into future editions of the competition and their respective academic and professional endeavors.