



ABOUT International Organisation of Software Developers (IOSD)

IOSD was founded in 2014 as a technical society by its Alumni Mr Krishna Rai and Mr. Ekansh Gupta. We are currently mentoring over 1000+ students in terms of making them skilled in the areas of Web Development, Data Structures and Algorithm, Machine Learning, Competitive Programming, among other fields. Over 250 students annually enrol in IOSD-DTU and the recruitment is done on the basis of classroom sessions involving face to face interaction with the council members. Also, IOSD-DTU offers internship opportunities - domestic and abroad, and students have received tremendous benefit from its internship programmes in the past. Its contribution in the cyber-security field of Delhi Police has been admired throughout India, and this very experience has enriched IOSD-DTU with immense knowledge and practical applications of Computer Sciences.

MISSION

To provide a platform for the students of DTU to attain the latest professional skills in the field of Data Structures, Algorithms, Machine Learning and Competitive Programming.

EVENTS

Throughout the year, IOSD-DTU organises a plethora of events, which are carried out with the aim of promoting and refining technical skills of the people associated with it. The main objective of these events is to provide an opportunity for the students to learn and share their knowledge with others. The second purpose is to equip them with the latest technology in order to enhance their career prospects.

Our events serve as an excellent platform for networking, sharing and exchanging ideas among members of different disciplines. IOSD-DTU also makes efforts towards educating its members on how to use the latest technologies effectively to increase productivity, efficiency and effectiveness at the workplace.

SIGs

After wrapping up the recruitment process, we begin with SIG's in specialised fields - Machine Learning, Competitive Programming, DSA, Web Development (Frontend and Backend). The classes are held by Heads and Co-Heads who are currently placed in reputed companies such as Meta, Google, Microsoft, Amazon, Sprinklr, Wells Fargo, Visa, etc. Each session is held in SPS-Halls to accommodate enough students. Every student is given the opportunity to ask their doubts freely without any hesitation.

SIG's are held on a weekly basis in an intensive manner and the participation of all students is required. After completing the SIG's, members have a basic understanding of major fields of technology thereby, aiding them in making an informed decision before they begin learning.

We focus on teaching how to think like a programmer, rather than telling what should be done. We believe that if students know how to think like a programmer, then there is no limit for their imagination!

Winterlympics

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In each October of winter season, we organize an Intra-College Hackathon namely Winterlympics in which members of 1 through 3 year of IOSD takes part in and compete for the position in that achieving which they receive prizes (in the form of cash/goodies/certificates etc...).

One of the main duties of IOSD-DTU is to impart enough knowledge to its members so that they can be fully prepared for internship and placement season. This requires making them equipped with ideas and technical skills so that they can come out with unique and exemplary projects. Project Series aims to teach students all the nitty-gritty of a good project as we build a project side-by-side along with learning those skills.



HACKATHON BY NEWTON SCHOOL 2023

In the past, Delhi Technological University's IOSD society organized a highly successful hackathon event. The event took place online and brought together talented students from various disciplines, all eager to showcase their skills and innovative ideas.

The hackathon commenced with an inspiring opening ceremony, featuring esteemed guest speakers who shared their experiences in the tech industry. Their motivational talks set the tone for the event, sparking enthusiasm and creativity among the participants.

The teams, comprised of passionate individuals, were given a set of exciting challenges to tackle within a limited timeframe. The event organizers ensured that the problem statements were diverse and relevant, allowing participants to explore different areas of technology and find innovative solutions.

Throughout the hackathon, participants were provided with a supportive and collaborative environment. Mentors, including industry professionals and faculty members, were readily available to guide the teams and offer valuable insights. The organizers also arranged technical workshops and brainstorming sessions to further enhance the participants' skills and foster teamwork.

Nearly more than 100 students participated in the hackathon and the event required online registration. The society pushed for registration from all over the college so that

students from various branches can participate and learn while being in a highly competitive environment.

As the event neared its conclusion, each team presented their projects to a panel of esteemed judges, consisting of industry experts and faculty members. The presentations were captivating, showcasing the participants' technical prowess and innovative problem-solving abilities.

The hackathon event concluded with an exciting award ceremony, where the winning teams were recognized and rewarded for their outstanding projects. The event not only provided a platform for participants to showcase their talents but also facilitated networking opportunities with industry professionals, opening doors to potential internships and career prospects.

Overall, the hackathon organized by Delhi Technological University's IOSD society was a resounding success. It fostered a spirit of innovation, collaboration, and learning, leaving a lasting impact on the participants and reinforcing the university's commitment to technological advancement.

INVICTUS 2023

In Feb 2023, college campus was abuzz with excitement as the highly anticipated Invictus Technical Fest took place. The event, which brought together students from various disciplines and institutions, between 13th Feb and 15th Feb.

The campus was transformed into a vibrant hub of innovation and technology, with colourful banners, state-of-the-art installations, and a palpable sense of anticipation in the air. Organised by the many societies together including IOSD, Invictus aimed to provide a platform for students to showcase their technical skills, foster collaboration, and promote a spirit of healthy competition. IOSD organised two major events of Invictus.

Linux Challenge which was organised on 14th Feb, was one of the major event as part of Invictus 2023. The event received huge response from many students as more and more people showed up for the event. The challenge was held in Pragya Bhawan and a proper seating arrangement was made for the contestants' comfort. Decoding questions were asked to the participants using an online assessment method which they needed to complete within two hours. Volunteers were available throughout to answer any query of the participants. Overall, the event was a huge success and many of the participants acknowledged that test was really helpful in expanding their knowledge and testing their skills. Problem solving ability always provide one a better edge over others. The main aim of the challenge was to make aware young minds of the nature of various Linux problems.

Quizathon 2023 was based on the theme- "Science and technology". Invictus 2023 saw an immense boost in participation through Quizathon. As the name suggests, it was a quiz based competition which consisted of three rounds with difficulty level rising in each round. The event allowed for individual as well as team participation. Basic coding related questions were asked in the form of an online assessment in first round. Teams were selected for further rounds on the basis of their accuracy and time taken. Second round involved similar basic questions. The final round was verbal round where participants verbally answered the asked questions. The response received was motivating for all the organisers and the feeling in the event room was unprecedented where we saw participants having a neck and neck competition with each other.

The events were successful and winners were awarded with **upto 10k cash prices and goodies as well as certificates.**

Invictus 2023 concluded on a high note, leaving participants with a renewed passion for technology and a drive to excel in their chosen fields. The fest had successfully achieved its goal of igniting a spark of innovation, encouraging collaboration, and pushing the boundaries of technical excellence. As attendees bid farewell to the event, they carried with them valuable experiences, new skills, and a profound sense of achievement, eagerly awaiting the next edition of Invictus.





WINZO CHASE 2023

In the past, the Society for IOSD organized a thrilling and educational event called Winzo Chase. This event was dedicated to the fascinating world of ethical hacking, where participants had the opportunity to showcase their skills and compete for prestigious prizes.

Winzo Chase kicked off with an engaging series of workshops and training sessions, led by renowned experts in the field of cybersecurity. These sessions provided valuable insights into the latest hacking techniques, security vulnerabilities, and defensive strategies. Participants were equipped with the necessary knowledge and tools to tackle real-world hacking scenarios ethically and responsibly.

Following the workshops, the main highlight of Winzo Chase was the intense hacking competition. Participants were presented with a series of intricate challenges, designed to test their problem-solving abilities, critical thinking skills, and technical prowess. The competition spanned various domains of cybersecurity, including network security, web application security, cryptography, and more.

To add an element of excitement, Winzo Chase featured a leaderboard that showcased the top performers throughout the event. This leaderboard not only motivated participants to strive for excellence but also created a competitive environment that pushed them to showcase their best skills.

Moreover, the Winzo Chase event went beyond just a hacking competition. It also served as a platform for pre-placement interviews with renowned companies and organizations looking to hire talented individuals in the cybersecurity domain. Participants who

excelled in the competition were given the opportunity to showcase their skills and interact with potential employers, opening doors for promising career prospects.

As a gesture of appreciation for their efforts, cash prizes were awarded to the winners of Winzo Chase. These prizes not only recognized their exceptional skills but also served as a token of encouragement to continue pursuing their passion for ethical hacking.

Overall, the Winzo Chase event organized by IOSD provided an exciting and immersive experience for participants interested in the field of ethical hacking. Through workshops, a challenging competition, pre-placement interviews, and cash prizes, it fostered a spirit of learning, competition, and career advancement in the cybersecurity domain.

SYNERGY

Synergy has been organised every year since its inception, and each year records a higher number of participation than the previous one. This event requires a combination of Logistic, PR, Design and Corporate team's effort in order to make it successful. The aim of this conference is to provide students with an opportunity to showcase their skills and knowledge by participating in different competitions, hackathons, etc.

Students from all over the country are invited to participate in this event, which is an opportunity for them to gather and meet with other students from different colleges. The event also provides them an opportunity to showcase their work, learn from others and network with industry professionals.

It is also worth mentioning that Synergy 2021 saw a 4000+ record number of participation which is a fest in itself and one of the many things that makes us proud IOSD members.

OTHER EVENTS

Other major events that are organised are Algofeed, Codefeed, Winterlympics, Dev Week and IOSD summer of Code. These events have been appreciated throughout DTU and also well received by the participants.

The DevWeek is a platform to showcase the latest trends and technologies in web development such as HTML, CSS, JavaScript, React, etc. with various sessions held for students who are eager to learn more about the subject. In this regard, we look forward to showcasing new technologies that we have been working on. The main objective of this event is to inspire students towards web development with various workshops held for them. Algofeed and Codefeed host hackathons that feature a variety of coding challenges. Students from all branches engage, and they receive instruction through a variety of workshops and seminars. These occasions over the years have aided in bringing out the best in the young programmers and turning them into prodigies.

We have observed that our students are able to keep up with modern trends and are able to utilize new technologies as they emerge. By keeping them up to date with the most recent breakthroughs in technology as well as other sectors like android development, web development, etc., we at IOSD DTU have been successful in bringing out the best in them.

We have also been successful in organising offline hackathons which were sponsored by reputed companies such as GitHub, Microsoft and other blockchain startups. We look forward to organising more such competitions and hackathons.

HIGHER STUDIES COUNSELLING

IOSD played an important role in providing assistance and support to students wishing to pursue higher studies in MS and research abroad. A considerable number of students have successfully pulled off their offer letters for Research and MS abroad from within IOSD.

All of these occasions throughout IOSD-DTU's history have aided our members in learning, gaining experience, and applying their knowledge in the real world. With such vast knowledge, IOSD-DTU is once more pleased to announce that the majority of its members have had the chance to succeed in coding challenges as well as interviews with numerous firms, like Google, Microsoft, Amazon, Apple, etc. We are confident that our ongoing development and persistent efforts will keep us getting better, and we will continue to be a significant Chapter supporting students in reaching new heights!