DES-2025: schoolschedule. The schedule is currently being formed. Stay tuned for changes and additions.		
Monday, January 20		
	Core A	*Core B*	*Core C (for schoolchildren)*

	Core A	Core B	Core C (for schoolchildren)
9:00-10:00	School opening ceremony		
10:00-11:20	What "Generative AI" impacts on the real Enterprise? Vasyl Liashkevych. LNU. Head of GenAI R&D Lab, Manager, Data Science Consulting at EPAM Systems.	"Leadership in IT" Jan van Zwieten. Rector of the Netherlands Business Academy	
11:20-11:40	Break		
11:40-13:00	Project and data management (Git, Data Version Control (DVC), Data sources (Kaggle, etc.), ML Hubs (Hugging Face, etc.)). Iryna Mysiuk. LNU. Senior Software Test Automation Engineer, EPAM	DevSecOps: Security by Design. Maciej Kisielewicz. Senior Security Engineer at Opera Software & PhD candidate at WUST	
13:00-14:00	Break		
14:00-15:20	Database basics, relational, non-relational, distributed databases, data warehouse, ETL, Data Workflows. Maksym Yakubovych. LNU. Engineering Manager		
15:20-15:40	Break		
15:40-17:00	Database usage for Data Science, Data Analysis and Machine Learning. Yurii Tsudzenko. LNU. Data Quality Engineer, Node.js Developer, DevOps		
17:00-18:00	**Organization of the project competition. Oleh Buhrii. Faculty of Mechanics and Mathematics.**		
Tuesday, January 21			
	Core A	*Core B*	*Core C (for schoolchildren)*
9:20-10:00	Dmitry Kulieshov, Head of automation and technical support department. Municipal non-profit enterprise «Lviv Territorial Medical Union «Multidisciplinary Clinical Hospital of Emergency and Intensive Care»		
10:00-11:20	"Probability in Real Life", Iryna Bazylevych, Associate Professor, LNU	"Big Data in AWS ", Yurii Levi, Senior Data Engineer at N-iX	
11:20-11:40	Break		
11:40-13:00	"Statistics in Real Life", Oksana Yarova, Associate Professor, LNU	Компанія Avenga Зіневич Олександр Юрійович. NodeJS Engineering Director. How to tame a dragon, or leadership with imposter syndrome	
13:00-14:00	Break		
14:00-15:20	"Data visualization", Taras Lysetskyi, Assistant Professor, LNU	"Data Analysis Life Cycle (акцент на processing and visualization)", Sofiia Zavhorodnia at Miratech	
15:20-15:40	Break		
15:40-17:00	"Bayesian Data Analysis", Oleh Buhrii, Professor, LNU	How AI Code Generation works. Copilot. Roman Mysiuk. LNU, Epam systems	Join Lviv Regional Junior Academy of Sciences and start your journey to IT success.Oksana Storozh. Educational Manager of Lviv Regional Junior Academy of Sciences.
17:00-18:00	**Work in groups on projects**		
Wednesday, January 22			
	Core A	*Core B*	*Core C (for schoolchildren)*
10:00-11:20	Reverse Engineering: Tasks and Tools. Mykola Shcherbyna. LNU, Private Entrepreneur (R&D)	"Machine learning, deep learning, neural networks" Vitalii Miroshnychenko GlobalLogic	
11:20-11:40	Break		
11:40-13:00	CSOC(Cyber Security Operations Center): myths vs. reality. Roman Karpiuk, LNU	"LLM fine-tuning techniques (акцент на RAG i GenAI agents)", Oleh Matskula. Head of Development at Profisea	
13:00-14:00	Break		
14:00-15:20	Languages and Automata. Oleh Gutik, LNU	"Hierarchical Clustering Algorithms in Machine Learning and Data Science", Olena Kot at Tietoevry	
15:20-15:40	Break		
15:40-17:00	Algebraic Codes. Oleh Gutik, LNU		How to understand the impact of "Generative AI" on Business ? Vasyl Liashkevych. Faculty of Electronics and Computer Technologies. LNU. Head of GenAI R&D Lab, Manager, Data Science Consulting at EPAM Systems.
17:00-18:00	**Work in groups on projects**		
Thursday, January 23			
	Core A	*Core B*	*Core C (for schoolchildren)*

	Core A	Core B	Core C (for schoolchildren)
10:00-11:20	ML and DL basics, supervised, reinforcement and unsupervised learning. Vitalii Pretsel. LNU. Software Engineer at Leobit	Introduction to modern cryptography - where academia meets applied solutions. Maksymilian Górski. Master's student in Cybersecurity at the Wrocław University of Science and Technology (WUST)	
11:20-11:40	Break		
11:40-13:00	Neural networks. Transformers. Building models with Keras and PyTorch. Ivan Bulka, LNU. Senior Data Scientist / Deep Learning Engineer		
13:00-14:00	Break		
14:00-15:20	CV, CV tasks, CV Libraries and frameworks (e.g. OpenCV)", Vitaliy Vlasov, Associate Professor, LNU	Microsoft programs. Cristian Popa. Microsoft. Future Skills Development Manager	
15:20-15:40	Break		
15:40-17:00	NLP, NLP tasks, NLP libraries and frameworks (e.g. NLTK). Ihor Drozdov. LNU. Lead .Net Engineer	Problem solving and creativity. Dmytro Nosach GlobalLogic	How to stay safe on the Internet ? Yuriy Kuzbit, LNU, Head of R&D at Wizer Inc.
17:00-18:00	Work in groups on projects		
Friday, January 24			
	Core A	*Core B*	*Core C (for schoolchildren)*
10:00-11:20	"Eigen decomposition, singular decomposition and their applications", Oleh Romaniv, Associate Professor, LNU	Version Control Systems: Git, Data Version Control (DVC), etc. Group 1 Hanna Likhtman GlobalLogic	
11:20-11:40	Break		
11:40-13:00	"Eigen decomposition and singular decomposition in practice", Andrii Sagan, Associate Professor, LNU	"Bringing AI ideas and systems to production" - Martin Braun, Artem Shelamanov, NeuroForge	
13:00-14:00	Break		
14:00-15:20	"Sports simulating using Markov chains", Ihor Kutsevol, Postgraduate student, LNU, Middle Data Scientist, EveryMatrix		
15:20-15:40	Break		
15:40-17:00	"Decision making. How to make better choices in life and work", Marta Maloid-Glebova, Associate Professor, LNU	AI Agents in the Cloud. Oleh Chaplia, Senior Software Developer, ELEKS.	Introduction to Probability. Kostiantyn Zhernovyi. Associate Professor, Faculty of Mechanics and Mathematics, LNU
17:00-18:00	Work in groups on projects		
Monday, January 27			
	Core A	*Core B*	*Core C (for schoolchildren)*
10:00-11:20	Building effective Product Security Operations Center (PSOC). Mychael Kropyva, LNU	"Modern Data Architectures", Marian Faryna - Big Data Competence Lead at Sigma Software Group	
11:20-11:40	Break		
11:40-13:00	Modular Arithmetics and its Applications. Olya Popadiuk, LNU	Relational, non-relational, distributed databases in modern software. (Key-Value, Column-based, Document-based, Graph databases). Oleh Husak, LNU, Senior .NET Software Engineer CUCollaborate, Indeema	
13:00-14:00	Break		
14:00-15:20	Cryptography methods overview and application. Valeriy Trushevskyy, LNU		
15:20-15:40	Break		
15:40-17:00	The Hill Cipher. Oleh Gutik, LNU		About career guidance, how to choose the right one. Yevhen Hirnyi, Lviv IT Cluster.
17:00-18:00	Presentation of projects. Oleh Buhrii. Faculty of Mechanics and Mathematics.		
Tuesday, January 28			
	Core A	*Core B*	*Core C (for schoolchildren)*
10:00-11:20	Cloud computing basics, SaaS, PaaS and IaaS. Markiyan Fostiak. LNU. Software Engineering Lead	LLM Security and Observability. Danyil Zhuravchak, LNU,Location Head of Operational Intelligence Practice @ EPAM Ukraine.	
11:20-11:40	Break		
11:40-13:00	Amazon Web Services and Big Data in AWS. Oleh Sihunov. LNU. Java Software Engineer	"Microsoft Azure 101", Oleh Zarevych at Intellias	
13:00-14:00	Break		
14:00-15:20	Google Cloud Platform Review. Ihor Rohatskyi. LNU. Engineering Director, GlobalLogic	Startups Under the Wings of Uncertainty: How a Pilot Finds a Target Where It's Almost Invisible. Ihor Katernyak. LNU	
15:20-15:40	Break		
15:40-17:00	MS Azure and Big Data in Azure. Oleh Dutsiak. LNU. Senior Software Engineer	"Why are soft skills critical for techies?" Taras Romanyk, Competency Manager(.NET) ELEKS	Oleh Buhrii. Head of the Department of Mathematical Statistics and Differential Equations. Faculty of Mechanics and Mathematics.
17:00-18:00	Work in groups on projects		
Wednesday, January 29			

	Core A	*Core B*	*Core C (for schoolchildren)*
10:00-11:20	"Classical regression analysis", Oksana Holovata, Associate Professor, LNU	Anatoliy Pylypchuk, Senior Java Developer at Kindgeek	
11:20-11:40	Break		
11:40-13:00	"Examples of using logistic regression", Oksana Holovata, Associate Professor, LNU	"Headway Autopark and How Being Open About Failures Moves Us Forward", Maksym Sabadyshyn Engineering Manager at Headway	
13:00-14:00	Break		
14:00-15:20	"Life on the command line: How text-based interfaces can improve data processing", Vitaliy Vlasov, Associate Professor, LNU	"Usage of AI in modern services, applications, platforms", Andriy Bilous, CEO StayInno	
15:20-15:40	Break		
15:40-17:00	"Introduction to zero-knowledge proofs", Vitaliy Vlasov, Associate Professor, LNU	"Radical Directness: How to achieve results faster thanks to a feedback culture in the team?" Mariana Boloban Head of People Headway	Educational programs of the Faculty of Electronics and Computer Technologies. Iryna Kofliuk. Deputy Dean of the Faculty.
17:00-18:00	**Work in groups on projects**		
Thursday, January 30			
	Core A	*Core B*	*Core C (for schoolchildren)*
10:00-11:20	The Power of Effective Teamwork. Mykhailo Viachalo, LNU	"Behind the Scenes: How Background Workers Keep Your Apps Running (While You Sleep)" - Yaroslav Andreiev, Middle Full Stack Developer at DevsX	
11:20-11:40	Break		
11:40-13:00	Basics of cyber hygiene in everyday life. Yuriy Kuzbyt, LNU	Data in Motion: Mastering Real-Time Processing with Kafka and Flink. Oleh Shchur at Intellias	
13:00-14:00	Break		
14:00-15:20	Secure Coding. Sviatoslav Zlatous. LNU	"Swizzling in Swift", Olena Zola SoftServe	
15:20-15:40	Перерва		
15:40-17:00	Game developer as a full-time job. Oleksandr Terletskyy, LNU	Exploring Penetration Testing: Techniques, Tools, and Trends. Igor Beliaiev, LNU, Head of Security @ EPAM Ukraine.	About cybersecurity educational programs at Lviv University. Why is it important to study cybersecurity and data protection? Petro Venherskyi, LNU, Head of department CyberSecurity
17:00-18:00	**Work in groups on projects**		
Friday, January 31			
	Core A	*Core B*	*Core C (for schoolchildren)*
10:00-11:20	Generative models basics. Oleh Yatskiv. LNU. Engineering Manager at Nexla	Version Control Systems: Git, Data Version Control (DVC), etc. Group 2 Hanna Likhtman GlobalLogic	
11:20-11:40	Break		
11:40-13:00	LLM, Transformers, BERT, GPT models family, LLM fine-tuning techniques. Mykola Stasiuk. LNU,Senior Software Engineer. GlobalLogic	"Security in Mobile World"Andriy Flinta, Mobile Engineering Lead at Intellias	
13:00-14:00	Break		
14:00-15:20	**Defense of team projects**		
15:20-15:40	Break		
15:40-17:00	**Defense of team projects**		
17:00-18:00	**School closing ceremony**		