



**SAMARA
UNIVERSITY**

SCHOOL

13
online/offline
programs

SCHOOL.SSAU.RU



International Schools Department of Samara National Research University makes two-week schools for students since 2015. Samara University (is in top-10 universities in Russia) organizes the schools both online and offline. ECTS certificate is provided.



- **1000+ participants**
- **52+ countries**
- **Study and cultural parts**

Samara city is located in the southeastern part of European Russia on the eastern bank of the Volga River. Samara is called the space capital of Russia. Now it is an important political, industrial and cultural center of Russia. The city is a busy communication hub and an important center of the aerospace, automotive, chemical and energy industries.



Cultural & social program is a daily part of International schools. Cultural part includes tours around Samara city:

- **old town of Samara;**
- **Volga river's embankment;**
- **historical Leningradskaya street;**
- **campus of Samara University;**
- **traditional Russian cafés and stores;**
- **acquaintance with Russian way of life.**

Social part of the program includes playing games with the team of international school and taking quizzes about Russian culture.



Samara University is one of the most dynamically developing Russian universities. The University is formed by the union of Samara State Aerospace (**founded 1942**) and Samara State (**founded 1969**) universities. In recent years, the university has been steadily improving its performance in Russian and international rankings. For many years, Samara University has been inextricably linked with the overall industrial and economic development of the region, which is one of the leading domestic and world centers of aerospace technologies. Currently, teaching and research at Samara University are organized by 7 institutes. There are many unique scientific laboratories here.

**INTERNATIONAL
SCHOOL**



**SAMARA
UNIVERSITY**

Russian Language and Culture

You will speak Russian after this school! Successful Russian language study is the study with native speakers! Meet native speakers, find out more about Russian culture and Russian people's set of mind. The school is held in English and Russian. The program is constructed so that everyone can easily improve his/her Russian!

We also have an online format of Russian Language and Culture school! The school provides a total feeling of presence in Russia. Unlike other platforms, we present the program that will give much beyond the studies.

We will take you to play Russian famous games, walk with you along vivid streets and show the most beautiful places of the city, visit Space museum, other exclusive sites of Samara.

Along with language classes, the school offers courses on history and culture of Russia, master classes on making Russian food and souvenirs.

Certificate on 4 ECTS (offline)/ 2 ECTS (online) is provided.



INTERNATIONAL SCHOOL

Offline/Online program

DATE

Offline: 18 July-01 August, 2023

Online: 03 -17July, 2023

DEADLINE

Offline: 31 March, 2023

Online: 31 May, 2023

SYLLABUS

- Russian Language Lessons
- History of Russia
- Russian Culture
- 2 Master classes
- Russian Traditions
- Russian Technology

FORMAT

Online	Offline (In-campus)
<ul style="list-style-type: none">- Live studies- Live excursions- Records available for 4 months- Support 24/7- E-certificate	<ul style="list-style-type: none">- Studies- Excursions- Support 24/7- Certificate- Additional program (visit to Moscow and Saint Petersburg)
250\$	500\$

school.ssau.ru/schools/8



High Technology Management

High Technology Management School is offered by Samara University as an intensive study and research course. During this school students with different backgrounds will receive knowledge and skills of hi-tech enterprises' management. Students will visit successful innovative companies in order to understand the foundations of high technology management and its practical and monetary issues.

The course is open for all ambitious students interested in human sciences, engineering or maths. By the end of this course students will have an opportunity to create their innovative hi-tech project. Our friendly team, lectures, entrepreneurs, mentors and coaches will lead the participants throughout the process, thus they can take a maximum of it. Acquired knowledge will help students in further commercialization of their ideas.

Certificate on 4 ECTS (offline)/ 2 ECTS (online) is provided.



INTERNATIONAL SCHOOL

Offline/Online program

DATE

Offline: 18 July-01 August, 2023

Online: 03 -17July, 2023

DEADLINE

Offline: 31 March, 2023

Online: 31 May, 2023

SYLLABUS

- Design Thinking Lab
- Business models
- Conflict & Negotiation
- Basics of Agility
- Lean Manufacturing
- Marketing
- Risk management
- Intellectual property

FORMAT

Online	Offline (In-campus)
<ul style="list-style-type: none">- Live studies- Live excursions- Records available for 4 months- Support 24/7- E-certificate	<ul style="list-style-type: none">- Studies- Excursions- Support 24/7- Certificate- Additional program (visit to Moscow and Saint Petersburg)
290\$	500\$

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Functional Analysis

Find out what it means to be an analyst, including

- what technical knowledge is necessary,
- how to perform business and system analysis within different projects and products.

We will explain technical fundamentals (so it is ok if you are new to IT and do not have a background in systems development), show examples of using the system and business analysis instruments and techniques within a project and product management frameworks.

Even though you will cover some introductory material, you will also see and discuss real cases of applications development from Russian and international companies. We are sure that it will be interesting for experienced analysts: during the program, you can enhance your hard skills and then try to apply them during the case study.

This program is jointly introduced by Samara University and Accenture company.

Certificate on 2 ECTS is provided.



INTERNATIONAL SCHOOL

Online program

DATE

03 -17July, 2023

DEADLINE

31 May, 2023

SYLLABUS

- Functional analysis introduction
- Project and product management
- Business analysis
- Databases' fundamentals
- System and integrations architecture
- Quality assurance and testing
- Case study

FORMAT

- Live studies
- Live excursions
- Records available for 4 months
- Support 24/7
- E-certificate

TUITION FEE

400\$

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International Law

There is no need to explain the importance of international relationship nowadays. Consequently, international law is important part of its development. Our International Law school is focused on recent developments in the field of International Law, and guides students through the central debates within the sphere. International Law School is aimed at gap year students, current undergraduates and any other adult learners who wish to expand their understanding of International Law with like-minded peers from all over the world. Our friendly team, lecturers, entrepreneurs, mentors and coaches will lead the participants throughout the process, thus they can take a maximum of it.

All participants have the opportunity to submit an article on political science to the Journal of Samara University.

Certificate on 4 ECTS (offline)/ 3 ECTS (online) is provided.



INTERNATIONAL SCHOOL

Offline/Online program

DATE

Offline: 18 July-01 August, 2023

Online: 03 -17July, 2023

DEADLINE

Offline: 31 March, 2023

Online: 31 May, 2023

SYLLABUS

- Space Law
- International Human Rights Law
- International Environmental Law
- IT Law
- International Economic Law
- International Criminal Law
- Defending Human Rights Law

FORMAT

Online	Offline (In-campus)
<ul style="list-style-type: none">- Live studies- Live excursions- Records available for 4 months- Support 24/7- E-certificate	<ul style="list-style-type: none">- Studies- Excursions- Support 24/7- Certificate- Additional program (visit to Moscow and Saint Petersburg)
290\$	600\$

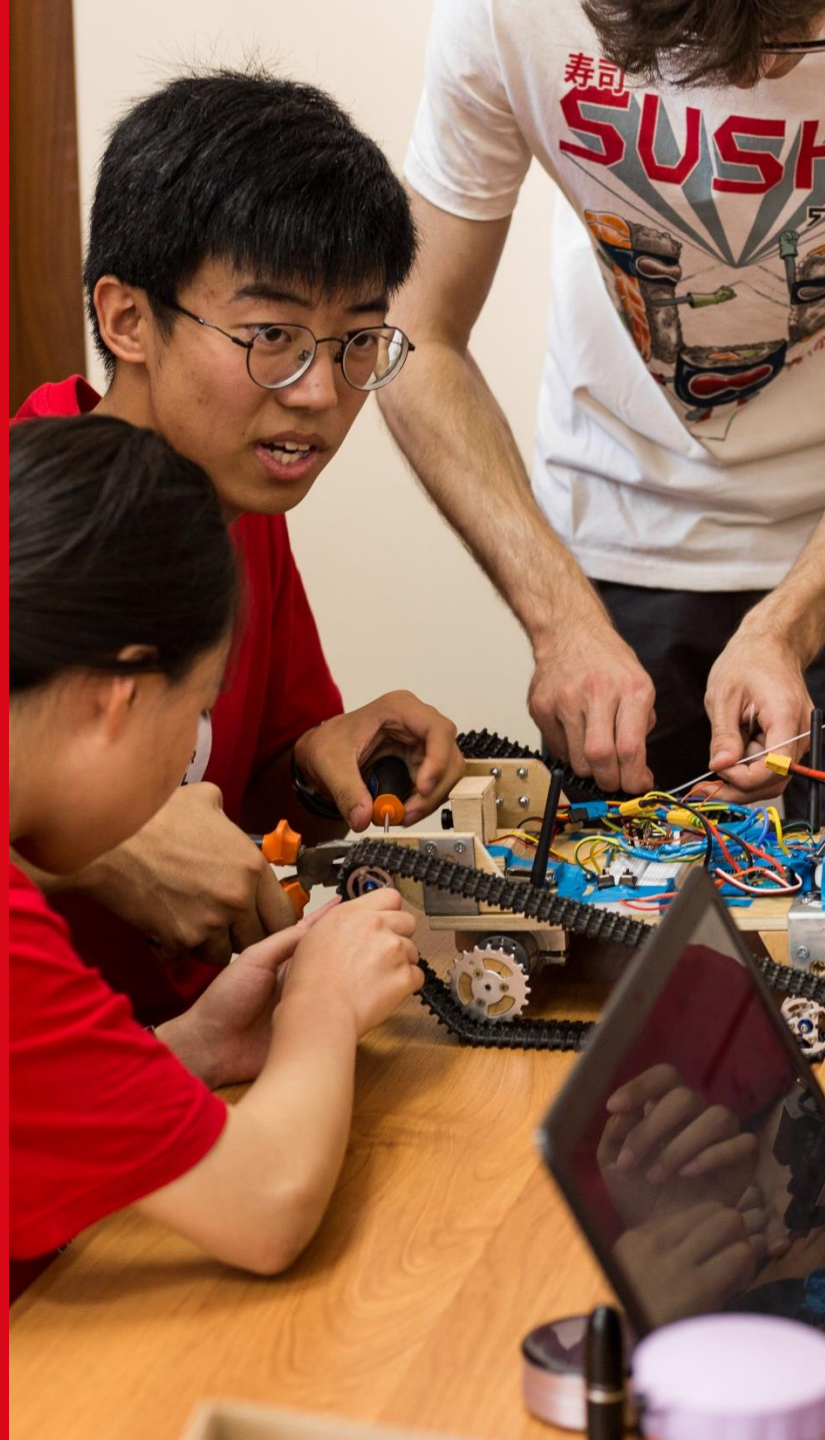
school.ssau.ru/schools/7



Robotics and Mechatronics

Create your own robot and compete with your friends in robots' competition. One of the leading regional robotic clubs and the best keen lecturers have gathered to give a broad overview of intelligent systems through a project-based approach. The course is for bachelor and master students who want to get knowledge and experience in all robots designing steps: in appropriate sensor selection, machine perception, path planning, localization, and artificial intelligence methodologies. All needed components and materials to assemble your robot and compete with other teams are at your disposal and included in the fee. You can use 3D printer to print any extra parts. Our friendly team, lecturers, entrepreneurs, mentors and coaches will lead the participants throughout the process, thus they can take a maximum of it.

Certificate on 4 ECTS is provided.



INTERNATIONAL SCHOOL

Offline program

DATE

18 July-01 August, 2023

DEADLINE

31 March, 2023

SYLLABUS

- Robotic design and architecture
- Electronics in robotics
- Basics of microcontroller programming
- Remote telemetry and HMI
- Work on group projects

FORMAT

- Studies
- Excursions
- Support 24/7
- Certificate
- Additional program (visit to Moscow and Saint Petersburg)

TUITION FEE

700\$

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SAMARA
UNIVERSITY



Airspace Materials and Technologies

The development of space research is a priority around the world. Humanity has always dreamed of near and long-distance flights into space and to other planets of the solar system.

Technology created for space concentrates everything the most advanced, from design decisions to the choice of new materials and technologies. While designers can find technical solutions with the help of computer modeling, the implementation of these solutions requires the development of new materials and innovative technologies.

With advanced experience, Samara University (is in top-10 universities in Russia) organizes this two-week school. The most outstanding scientists will lead you to the insights of laboratories and show you machines and satellites that were created here in Samara National Research University and now are applied all over the world.

Certificate on 4 ECTS (offline)/ 2 ECTS (online) is provided.



INTERNATIONAL SCHOOL

Offline/Online program

DATE

Offline: 18 July-01 August, 2023

Online: 03 -17July, 2023

DEADLINE

Offline: 31 March, 2023

Online: 31 May, 2023

SYLLABUS

- Special methods of sheet stamping
- Materials with shape memory
- Shell parts manufacture of the aircraft skin
- Vacuum ion-plasma and gas-thermal technologies
- Smart manufacturing with incremental sheet forming
- Semi-finished products for aerospace engineering
- Machining of materials
- Space impact on mechanical properties of metals
- Additive manufacturing for innovative design
- Advanced composite materials in airframe constructions

FORMAT

Online	Offline (In-campus)
<ul style="list-style-type: none">- Live studies- Live excursions- Records available for 4 months- Support 24/7- E-certificate	<ul style="list-style-type: none">- Studies- Excursions- Support 24/7- Certificate- Additional program (visit to Moscow and Saint Petersburg)
350\$	600\$

school.ssau.ru/schools/4



3D Printing Technologies

The school program is suitable for students and engineers interested in additive manufacturing for real industrial applications. You will learn 3D modeling and design your own product. You will study how to select 3D printing process and material for a best profit performance. You will be introduced to the principles of designing parts for AM for each major process, illustrated through a series of instructional examples and see artifacts produced at Samara University.

The study program consists of two parts.
1 part: basic principles of the technologies and an overview of its applications.
2 part: case study activities at research laboratories.

Along with studies, you will get a rich cultural program. Our team has prepared a wonderful journey to Russian cultural and social life.

Certificate on 4 ECTS is provided.



INTERNATIONAL SCHOOL

Offline/Online program

DATE

Offline: 18 July-01 August, 2023

Online: 03 -17July, 2023

DEADLINE

Offline: 31 March, 2023

Online: 31 May, 2023

SYLLABUS

- Introduction to AM
- AM processes
- Generative design practical cases and applications
- Cost analysis of AM
- Digital modeling
- Practical cases and applications
- 3D printing in Space
- 3D printing in Medicine
- 3D printing in Social life
- 3D printing in Mechanical Engineering
- 3D printing in Aircraft engines

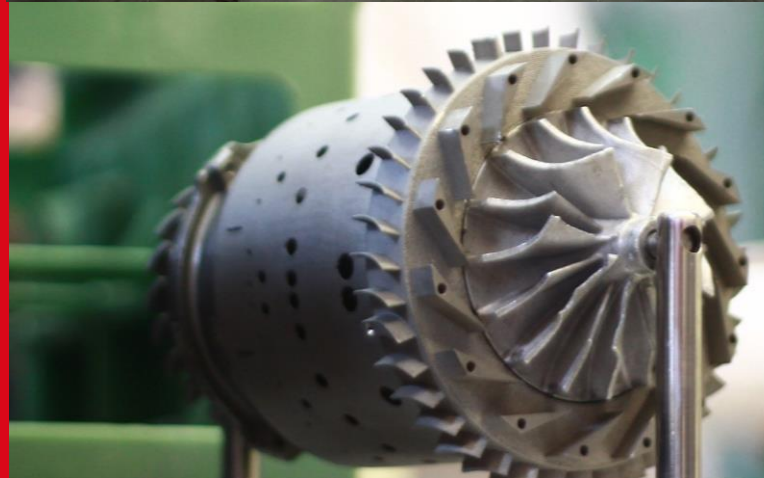
FORMAT

Online	Offline (In-campus)
<ul style="list-style-type: none">- Live studies- Live excursions- Records available for 4 months- Support 24/7- E-certificate	<ul style="list-style-type: none">- Studies- Excursions- Support 24/7- Certificate- Additional program (visit to Moscow and Saint Petersburg)
300\$	700\$

school.ssau.ru/schools/3



Production and testing of aircraft engines



INTERNATIONAL SCHOOL

Offline / Online program



DATE

Offline: 18 July-01 August, 2023

Online: 03 -17July, 2023

DEADLINE

Offline: 31 March, 2023

Online: 31 May, 2023

FORMAT

Online	Offline (In-campus)
<ul style="list-style-type: none">- Live studies- Live excursions- Records available for 4 months- Support 24/7- E-certificate	<ul style="list-style-type: none">- Studies- Excursions- Support 24/7- Certificate- Additional program (visit to Moscow and Saint Petersburg)
350\$	600\$

SYLLABUS

- **Turbo-machines**

The process of designing turbo machines for gas turbine engines will be studied theoretically and in practice.

- **Theory of Aircraft Engines**

The principle of operation of gas turbine engines of various types and schemes.

- **Design and Engineering of Aircraft Engines**

Familiarization with the design of aircraft engines. Modernization of aircraft engine components with a design justification for design solutions.

- **Dynamics and Strength of Aircraft Engines**

Calculation of the strength and vibration of engine elements in the ANSYS package.

- **Intensification of Heat Transfer in Engines and Their Systems**

Analysis of the placement of ribs of various shapes, heat transfer, convection. Increasing of the heat transfer coefficient.

- **Aircraft Engine Combustion Chambers**

Features of the organization of the working process of lowemission combustion chambers of gas turbine engines.

- **Automation and Regulation Gas Turbine Engine Control**

The design process of setpoint controller as well as transient controller for gas turbine engine.

- **Production Technologies for Aircraft Engines**

Up-to-date high-productive and automated technological processes of precise parts of engine production, including topics on cutting tools, cutting path programming, machining process simulation and machine tool set-up.

Certificate on 4 ECTS (offline)/ 2 ECTS (online) is provided.

Digital Design based on FPGA

The course is focused on FPGA-based digital design topics.

After the course, students are expected to be able to use VHDL and Xilinx Vivado software for digital design. The course provides basic competencies in VHDL-based digital design with practical experience in simulation and hardware debugging. The course could be a good starting point for the students, going to work in IC design and computer engineering.

The course implies that students are familiar with basics of electronics and informatics. At least some knowledge of MOS transistors and binary mathematics is expected.

Our friendly team, lectures, mentors and coaches will lead the participants throughout the process, thus they can take a maximum of it.

Certificate on 4 ECTS is provided.



INTERNATIONAL SCHOOL

Offline program

DATE

18 July-01 August, 2023

DEADLINE

31 March, 2023

SYLLABUS

- Introduction to digital design
- Basics of VHSIC Hardware Description Language
- Synthesis of combinational and sequential devices
- Digital design with FPGAs
- IP-cores: Creating and using

FORMAT

- Studies
- Excursions
- Support 24/7
- Certificate
- Additional program
(visit to Moscow and Saint Petersburg)

TUITION FEE

600\$

school.ssau.ru/schools/12



SAMARA
UNIVERSITY



Sustainable Business Strategies

within ecological, social & economic systems

The Sustainable Business Strategies school provides you with a set of sustainability concepts and its indicators for effective project management, consulting services and innovative engineering solutions. To align with the Sustainable Development agenda, “business as usual” needs to integrate an ecosystem approach where natural and human worlds are closely interconnected.

The new generation of leaders needs to be cross-disciplinary and broad-knowledge. You will be taught by tenured professionals in the topics from the top-notch academic universities and companies with strong practical backgrounds. After the course, you will acquire basic skills for sustainable management, entrepreneurship and innovation.

Certificate on 2 ECTS is provided.



**INTERNATIONAL
SCHOOL**

Online program

DATE

03 -17July, 2023

DEADLINE

31 May, 2023

SYLLABUS

- The Sustainable Development Agenda
- Climate Change incentives
- System Thinking
- Sustainable Business Models
- Carbon Footprint
- Economic Opportunities
- Circular Economy
- Green Marketing
- Stakeholder Engagement
- Stewardship of Ecosystems

FORMAT

- Live studies
- Live excursions
- Records available for 4 months
- Support 24/7
- E-certificate

TUITION FEE

400\$

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Soft Skills

Modern craziness is dictating new rules and we should follow the novelty and be flexible. Soft skills are vital bunch of knowledge for here and now regardless of your background. The global lockdown showed us the necessity of harmonious coexistence of flexibility and tranquility and this course will contain the brilliant combination of tools balanced your confidence and competence. The discipline is filled out with not only pure theoretical knowledge about personal and interpersonal skills and communication, but also with interactive, not stressing but useful tasks, games and other activities.

The teaching staff of this course is selected exclusively from practicing people with real cases and working instruments. The main goal of this school is to rocket your personal effectiveness, confidence and leadership giving an essential set of knowledges about communication skills, negotiations, social and emotional intelligence, creative and critical thinking, self-presentation and public speaking.

At the end of this course you will have a real result in the form of brilliant CV for your future job or catchy start-up pitch. Welcome to the most joyful study ever!

Certificate on 2 ECTS is provided.



INTERNATIONAL SCHOOL

Online program

DATE

03 -17July, 2023

DEADLINE

31 May, 2023

SYLLABUS

- Decision Making
- Public Speaking
- Social and Emotional Intelligence
- Stress Management
- Creative and Critical Thinking
- Conflict & Negotiations

FORMAT

- Live studies
- Live excursions
- Records available for 4 months
- Support 24/7
- E-certificate

TUITION FEE

250\$

school.ssau.ru/schools/11



Fashion Studies

The School of Fashion Study (SFS) is a digital stylist school for those who want to learn how to match clothes in a certain style and taking into account fashion trends, always looking good and helping clients. On the Digital Stylist course, you will learn about fashion trends, make creative works: collages and videos of original design and author's style. After this course, you will be able to work with clients at a higher professional level, help select clothes and accessories, create fashionable looks and become a more successful online stylist. The intensive format of the SFS school will help you improve your skills in a short time. You will be exploring photo processing applications. From clothing options, you will create fashionable bows. You will also explore color predictions for seasons 2022-23

We have partnered with the renowned online Beijing international Stylist King contest and your creative work can make you a celebrity on social media!

Certificate on 2 ECTS is provided.



INTERNATIONAL SCHOOL

Online program

DATE

03 -17July, 2023

DEADLINE

31 May, 2023

SYLLABUS

- Trends in fashion
- Photo and Video Processing Applications
- Master class of Russian Food Cooking
- Russian Traditions
- Master class on souvenirs

FORMAT

- Live studies
- Live excursions
- Records available for 4 months
- Support 24/7
- E-certificate

TUITION FEE

250\$

school.ssau.ru/schools/9



Startup Project Management

Join StartUp Project Management School at Samara University .

In 15 days our tutors will guide you through the key milestones of StartUp lifecycle - from idea to working business. You will practice management tools that will bring your innovative idea to real project, learn how to reveal the opportunities of VUCA - world for brilliant business -ideas and get feedback from international experts on DemoDay. The best StartUp Project will get 4 months of free business tracking by a professional business tracker. StartUp Management School will bring you closer to the launch of you own StartUp . Our friendly team, lectures, entrepreneurs, mentors and coaches will lead the participants throughout the process, thus they can take a maximum of it.

Certificate on 2 ECTS is provided.



INTERNATIONAL SCHOOL

Online program

DATE

Offline: 18 July-01 August, 2023

Online: 03 -17July, 2023

DEADLINE

Offline: 31 March, 2023

Online: 31 May, 2023

SYLLABUS

- Design Thinking Lab
- Digital tools
- Business Models
- Customer Development
- Project Management
- Basics of Agility
- Investments
- Speech and presentation
- Marketing
- Intellectual property

FORMAT

Online	Offline (In-campus)
<ul style="list-style-type: none">- Live studies- Live excursions- Records available for 4 months- Support 24/7- E-certificate	<ul style="list-style-type: none">- Studies- Excursions- Support 24/7- Certificate- Additional program (visit to Moscow and Saint Petersburg)
290\$	500\$

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INTERNATIONAL SCHOOLS -2023

SCHOOL	OFFLINE FORMAT (IN-CAMPUS)	ONLINE FORMAT
High Technology Management	18 July-01 August, 2023	03 -17July, 2023
Russian Language and Culture	18 July-01 August, 2023	03 -17July, 2023
Startup Project Management	18 July-01 August, 2023	03 -17July, 2023
International Law	18 July-01 August, 2023	03 -17July, 2023
Airspace Materials and Technologies	18 July-01 August, 2023	03 -17July, 2023
Production and testing of aircraft engines	18 July-01 August, 2023	03 -17July, 2023
3D Printing Technologies	18 July-01 August, 2023	03 -17July, 2023
Digital Design based on FPGA	18 July-01 August, 2023	
Sustainable Business Strategies		03 -17July, 2023
Soft Skills		03 -17July, 2023
Fashion Studies		03 -17July, 2023
Functional Analysis		03 -17July, 2023
Robotics and Mechatronics		03 -17July, 2023

WELCOME TO

**INTERNATIONAL
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