UNIT I.
MY FUTURE PROFESSION

I. Grammar Presentation:

Verb Forms. Active voice (временные формы глагола в действительном залоге).

Constructions "be going to do something" and "would like to do something" for expressing future actions intensions and plans. (Глагольные конструкции для выражения планов, намерений).

II.

Texts:

My future profession. Intelligent Machines.

Активная лексика:

joint-stock company (corporation) - акционерное общество
joint – venture - совместное предприятие
limited partnership - товарищество с ограниченной ответственностью
exchange market (stock exchange) - биржа
broker - брокер
shareholder- акционер
robotics - робототехника
to generate - генерировать, производить
to transmit - передавать
unprecedented in history - не имеющий прецедентов в истории
indication - указание, свидетельство
integration - интеграция
application - приложение, использование
circuits - электрические цепи, схемы
processing - обработка
differential equations - дифференциальные уравнения
probability theory - теория вероятности
fibre optics - оптоволоконные технологии
carrying capacity - пропускная способность
sophisticated devices - сложные устройства
superconducting – сверхпроводимость

Grammar and lexis

1. Open the brackets and fill in the right form of the verb.

1. He never (be) to the USA. 2. She (cook) the dinner before I came. 3. We (not be) in the Academy yesterday, because it (be) (study) in the Medical Academy. She (entered) there 3 years ago and Sunday. 4. Last term I (have) only good marks and next term I'm sure I (get) 5s too. 5. My sister (study) there since then. 6. For the whole last year I (write) my diploma- project and (be) very happy when (finish). 7. Look at Larisa's new dress! She (wear) it for the first time today. 8. He (work) with the computer for 7 hours without a brake, so his eyes (hurt). 9. When exactly the show (start)? I (not want) to miss it. 10. I already (decided) where to go on holidays. I (visit) Egypt. 11. What you (do) all the evening yesterday? You (promise) to take me to the cinema and even (not call)! 12. We (live) in Voronezh since childhood. 13. Vasya (sit) and (dream) about his summer holidays at the moment. 14. Water (not boil) at 75 ° C. 15. You (finish) writing the test already?

2. Choose either "like doing something" or "would like to do something" to say about intensions and preferences.

Use the example

My friend … (play football).
My friend likes playing football.
I … (become a program designer).
I would like to become a program designer.

1. We … (find a well-paid job).
2. I … (apply for a new job in the nearest future).
3. We … (be unskilled workers or unemployed).
4. … (play computer games)?
5. He is a hardworking student. He … (take a postgraduate training).
6. My friends … (have their own business).
7. I …(work on control systems).

3. How do you see your future profession? Please answer the following questions:

1) What kind of profession are you really interested in?
    a) well paid,
    b) interesting,
    c) in a large and famous company,
    d) quiet,
    e) in an industry which has a future,
    f) prestigious,
    g) not to sit the whole day in the office,
    h) to travel a lot,
2) What position would you like to have?
    a) to manage people - manager,
    b) to work for someone else - employee,
    c) to be your own boss - self-employed, entrepreneur,
    d) to be responsible for everything - top manager, director,
    e) to work for the state - state employee.

4. Can you tell us about your plans for the future? Use the models "would like to do something" and "be going to do something".

TEXT A
Read and translate the text.

VORONEZH STATE UNIVERSITY OF ENGINEERING TECHNOLOGIES

Voronezh State University of Engineering Technologies founded in 1930 is one of the leading institutions of higher education in Russia for training highly skilled specialists for food and chemical industries.

Voronezh State University of Engineering Technologies is one of the largest technological universities of our country. It is housed in three buildings in Revolution Avenue, in the very centre of Voronezh. The faculties of Automation of technological processes and Food ma-

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chines and equipment, the faculty of Ecology and chemical technology, Technological and Economical faculties train students in 23 major specializations.

36 departments are staffed with about 600 highly qualified specialists including 95 Professors and DSc and PhDs. The total number of students exceeds 8000.

There is a big University campus in the centre of the city with 4 students hostels located in different places of the city. The laboratories and lecture halls are equipped with up-to-date research and computer facilities. The students have every facility for their studies, work and recreation: lecture halls and labs, reading halls and a library, workshops, a gym and sports grounds, an essembly hall, a large canteen, a refectory and a health recreation centre.

The study courses resulting in BSc, MSc, a specialist with a diploma degrees are provided in more than 30 specialist areas: Automation of Technological Processes and Production; Information Systems and Technologies; Computer Systems and Complexes; Systems and Networks; Economics and Management of Food Processing Enterprises; Machines and Equipment for Food Industries; Technology of Bread, Confectionary, Pasta and Food Concentrates; Sugar Technology; Technology of Fermentation and Wine-making; Meat and Meat products Technology; Milk and Dairy Products Technology; Food Service Industry Organization; Foodstuffs of Animal Origin; Commerse; Applied Mechanics; Applied Informatics; Design of Technological Complexes; Standartization and Metrology; Chemical Engineering etc.

The life of VSUET students is very interesting and varied. There is people's theatre and students' theatre of stage miniatures. The sport club "Technologist" consolidates all the sportsmen of VSUET to take part in sport competitions in VSUET and other places. The club "Khozyayushka" teaches to help household, to cook delicious dishes and to serve a table.

A dancing studio, different art competitions such as "Students spring" and "We look for the talents" are among numerous leisure clubs where students can show their abilities. Military historical club "Svetoyar" established in VSUET in 2005 have initiated the "Days of history of Voronezh".

Voronezh State University of Engineering Technologies is a member of the long –term international collaboration programmes, it has academic contacts with higher educational establishments of Germany, China, Poland the USA, France, and other countries.

The scientists of our university work in different fields of knowledge. They develop new technologies of food manufacturing, chemical and food equipment, they investigate different problems of food engineering, computer systems and networks economics and ecology. Some of the students take part in the research through the Students Scientific societies. Those students who are interested in research and are successful in their studies have opportunities to be trained abroad. It provides brilliant opportunities for professional growth.

Add to your active vocabulary:

Major specializations – направления подготовки

Bachelor student course (BSc) – бакалавриат

Bachelor students – бакалавры

Master student course (MSc) – магистратура

Students Scientific society – Студенческое Научное Общество

Health Recreation Centre – профилакторий

A) Answer the following questions in your notebook.
1) What is the Voronezh State University of Engineering Technologies?
2) Where is it situated?
3) What do you know about the academic staff?
4) What facilities does the University provide for studies, work and recreation?
5) What specialists does the University train?
6) What degrees does the study course result in?
7) How do the scientists of the academy provide their professional development?
8) What educational contacts does the university have?

9) What do you know about the inter curriculum activities of our students?

B) Match the following English phrases with their Russian equivalents:

highly qualified specialists	досуговые клубы
train students	профилакторий
major specializations	художественные конкурсы
every facility for their studies	направления подготовки
sports ground	большая столовая
health recreation centre	спортплощадка
large canteen	гостиничное дело
Food Service Industry Organization	принимать участие
Hotel Business	все возможности для учебы
to take part	организация предприятий общественного питания
leisure clubs	высококвалифицированные специалисты
art competitions	международные программы сотрудничества
international collaboration programmes	лучшие выпускники
the best graduates	обучать студентов

C) Agree or disagree with the following statements and try to express your opinion using the expressions below.

I agree with somebody/something - согласен
I fully agree with somebody/something – полностью согласен
I partially agree with somebody/something – согласен частично
I am of the some opinion – я того же мнения
I disagree with somebody/something - не согласен
I strongly disagree with somebody/something – совсем не согласен
I am of the opposite opinion – я противоположного мнения
In my opinion – по-моему
From my point of view – с моей точки зрения
I think/believe/suppose – я считаю/полагаю
I am sure that – я уверен
As I guess – как мне кажется
As I can assume - как я могу предположить

1) The study courses are provided in 5 specialist areas.

2) The life of our students is very interesting and varied.

3) There are different leisure clubs, but only the students who are successful in their studies can visit them.

4) The study course resulting in BS degree lasts 5 years.

5) The best graduals get the academic title of the Candidate of T.Sc.

TEXT B
Read and translate the text.

MY FUTURE PROFESSION

Hi, here is Ann! I have passed all exams successfully and now I'm a student.

I was always good at mathematics and physics. My parents bought me a computer when I was in the 10th form. Since then I knew that I would become a specialist in computer technologies - a computer engineer.

Computer industry is developing so fast, that it comprises almost all spheres of professional life. No business now is possible without computers. This is especially true about automated manufacturing of products and robotics. Computer controlled of automated production opens new horizons for the cheap and quality production of goods. Information is now generated, transmitted, received, and stored electronically through computer networks on a scale unprecedented in history, and there is every indication that the explosive rate of growth in this field will continue.

Computer engineering is a general field. It deals with both electric and electronic industries.

Electronic engineering deals with the research, design, integration, and application of circuits and devices used in the transmission and processing of information.

In designing communication systems, engineers rely on various branches of advanced mathematics, such as Fourier analysis, linear systems theory, linear algebra, differential equations, and probability theory.

Engineers work on control systems, which are used extensively in automating manufacturing and robotics.

Major developments in the field of communications and control have been the replacement of analogue systems with digital systems; fibre optics is used now instead of copper cables. Digital systems offer far greater immunity to electrical noise. Fibre optics is likewise immune to interference; they also have great carrying capacity, and are extremely light and expensive to manufacture.

Computer engineering is no the most rapidly growing field. The electronics of computers is the design and manufacture of memory systems, of central processing units, and of peripheral devices. The most prospective now is the Very Large Scale Integration (VLSI) and new computer architectures. The field of computer science is closely related to computer engineering; however, the task of making computer more "intelligent", through creation of sophisticated programs or development of higher level machine languages or other means, is generally regarded as the dream of computer science.

One current trend in computer engineering is micromini-autorization. Engineers continue to work to fit greater and greater numbers of circuit elements onto smaller and smaller chips.

Another trend is towards increasing the speed of computer operations through the use of parallel processors and superconducting materials.

So, as you see, there are a lot of employment opportunities in my field and I don't worry about finding a job.

As I have already said I am a 1st year student of the Process Control (Automation) of Technological Processes faculty. My future speciality is *automation of technological processes in food and chemical industry* – 220301 (Control and Information content in technological systems – 220201, Information systems and technologies – 230201).

After graduating from the academy I am going to work as a process control engineer (program writing engineer) but may be I shall become an expert in software or hardware.

One of my friends works in a joint venture, another in a joint-stock company, my sister who graduated from our University 5 years ago has a limited partnership.

As for me, I'd like to work in a joint venture (to take part in scientific investigations of our department). Of course it's very difficult to choose our road in life and to find a good job due to many reasons, but I hope for the best. One of my friends applied for a Sales manager in "Proctor & Gamble" company and of course he was very glad to get this job, because it's a well-paid job and provides a good opportunity to communicate with specialists of foreign companies. My parents graduated from our academy in 1975 and since then they have been working at our confectionary factory. My mother works as an accountant there and as for the father he is a foreman of the cake-making shop.

Those students who are interested in research and are successful in their studies have opportunities to be trained abroad (usually they have a term training).The administration of our University have established contacts with educational institutions of China, Germany, the USA etc. Some graduates take post- graduate course upon graduating from the University.

Add to your active vocabulary:
a)
employee - наемный рабочий
employer - работодатель
state-employed - государственный служащий
white-collar worker - работник умственного труда
blue-collar worker - работник физического труда
skilled worker - квалифицированный рабочий
unskilled worker - неквалифицированный рабочий
experienced worker - опытный работник

b)

to be hired for a job - быть нанятым на выполнение работы
to look for a new job - искать работу
to apply for a new job - претендовать на какую-либо должность
application for a position of - заявление на какую-либо должность
resume - резюме
C. V. (curriculum vitae) - автобиография
to retire - уходить на пенсию
to be unemployed - быть безработным

Comprehension

A. Answer the following questions in your notebook:

What faculty do you study at?
What are you going to be?
What subjects do you study?
What perspectives will you have after graduating from the University?
How can students interested in research continue their education?

B. Match the words in column B with their Russian equivalents in column A.

A	B
1) аппаратное обеспечение	a. to finish school
2) специалист	b. to take a post-graduate course
3) закончить университет	c. well-paid job
4) окончить школу	d. joint-stock ventures
5) поступить в аспирантуру	e. graduates
6) хорошо оплачиваемая работа	f. to be engaged in business
7) совместные компании	g. scientific investigations

8) выпускники	h. hardware
9) заниматься бизнесом	i. expert
10) научные исследования	j. to graduate from the University
11) возможности найма	k. software
12) программное обеспечение	l. control systems
13) системы управления	m. employment opportunities
14) передать информацию	n. to transmit information
15) хранить информацию	o. to store information
16) разработка компьютерных систем	p. designing systems
17) обработка информации	q. processing information

C. Complete the following sentences using the text:

1. Electronic engineering deals with …
    a) the research, design and application of circuits and devices;
    b) processing of information;
    c)   designing software.

2. Computer industry is developing …
    a)   through computer networks;
    b)   so fast that it comprises almost all spheres of professional life;
    c)   new trends in designing hardware.

3. Those students who are interested in research and are successful in their studies …
    a)   have opportunities to be trained abroad;
    b)   can get grants;
    c)   can have opportunities to graduate from the Academy.

4. Computer engineering deals with…
    a) the trends hardware designing;
    b) designing memory storing devices;
    c) electric and electronic industries.

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