Find information about a modern engineering invention in your professional field (designed or produced by your future employer) **and prepare a presentation** (a speech and some Power point slides).

- **Речь (выступаем устно) и презентация (демонстрируем)**
- **Отчет (титульный +речь на английском и на русском языках)**
- **Вопросы с указанием фамилии, имени и темы**
- **Отчет, презентацию, бланк с вопросами пересылаем в электронном виде на почту** **presspress-press-dpipress-dpi@press-dpi**

Present the invention. Use all presentation stages.
2.1 Greet the audience.
Introduce yourself and speak about your education (3-5 sentences)

Good evening! I'm glad to welcome you all here today!

First, I'd like to tell you some words about my education.
I study Electrical engineering at NNSTU. I am a third–year student. When I complete the course, I'll get a bachelor's degree in Electric power supply and electrical engineering…
I am interested in **electrical engineering** because this work includes many different tasks and I can gain valuable experience…

2.2 Attract attention and introduce the topic, state your goals (Slide)

The purpose of our meeting today is to discuss engineering innovations and inventions. So, let's start.

Imagine that you are in the future. Flying cars, huge buildings and robots are around us.
Robots are walking along the streets and welcoming us.
They relive us from repetitive and boring housework.
They act as butlers, entertainers, medics, security guards and even as nurses.
And we are glad that this invention has become the innovation implemented in our daily life.
Let's return to the reality. Would you like to live side by side with androids?
As you can see, my presentation today looks at robotics technologies.

2.3 Divide your presentation into sections and mention dealing with questions (Slide)

I'll divide the talk into three main parts.

The first thing I want to do is to present android projects and to find out their advantages and disadvantages.

And after that I'll look at real simple functional robots operating nowadays. We discuss four groups of these robots.

Finally, I want to show you robots that have become friends and the choice of new generation.

Please, feel free to interrupt me at any time if you'd like to ask a question.
If you don't mind, I'll deal with questions at the end of my talk.

2.4 **Start the main part of the presentation. Describe the invention (Slides)**
a/ Give some definitions; describe functions and properties.

An LCD monitor is a thin, light computer monitorAn LCD monitor is a thin, light computer monitor that displays images through the use of a liquid crystalAn LCD monitor is a thin, light computer monitor that displays images through the use of a liquid crystal display. LCD screens are found in most laptop computers as well as in flat panel monitors, and have replaced traditional cathode ray tube (CRT) monitors for many users.

2.4 Describe the invention (Slides)
b/ Make comparison and contrasting, explain advantages and disadvantages.

Mobile robots or Automated Guided Vehicles are used for transporting materials and products over large building complexes. Compared with future robots they can't navigate autonomously and conduct non-repetitive tasks.

While using of oil and atomic energy harmfully affect the environment, solar energy works in non-polluting way and also can help to mitigate climate changing.

Tablet computers with keypad have been invented recently. **Whereas** simple tablets have only a touch screen to operate, the modern versions of tablets have also a keypad.
Nevertheless, **compared with** simple tablets, tablets with keypad cost more than 20000 rubles.

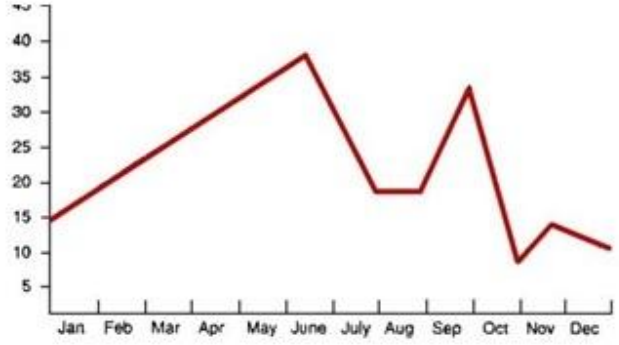
One major advantage of LCD monitors are their size; they are commonly 1 to 3 inches (2.5 to 7.5 cm) thick and weigh less than 10 pounds (4.5 k). CRT monitors, on the other hand, have a depth five times as large, and a weight of 30 to 50 pounds (13 to 23 kilograms) or more. As such, LCDs can take up 90% less space, and are far easier to move or adjust.

2.4 Describe the invention (Slides)

c/ Present and describe charts and trends (Slides)

According to the report published by the United Nations sales of domestic robots have increased in recent times. I'd like you to take a look at this chart.

Read and explain the components of the text



Let's take a closer look at this line chart. The **x axis** of this graph shows the twelve months of the past year while our sales in millions of dollars appear on the **y axis**. It may be seen clearly that sales **rose steadily** in the first half of the year (from January to May) and **reached their peak** in June. Then they **dropped off** in July and **levelled out** in August. After **rising sharply** during September, they suffered a **dramatic fall** in October but then made a **significant recovery** in November. However, the year ended with a **slight downturn**.

2.5 Say some words about the history of the invention. (Slides)

Pop.Up Next is a conceptual unmanned electric vehicle that can be driven both on the ground and in the air. Its development is carried out jointly by the German carmaker Audi AG, the aircraft manufacturer Airbus, and the design company ItalDesign Giugiaro. It was first presented at the Geneva in 2018 during the 87th Geneva International Motor Show.

2.6 Present the opinion of modern researchers. (Annotate or render their articles about the invention or related innovations) (Slides)

2.7 Give your opinion and some predictions about the invention (Use degrees of certainty) (Slides)

Little have we known about humanoid robots or androids.
To my mind, it will be a long-lasting lag before androids act as personal robots.
Increased computing power and research in the field of artificial intelligence enforce commercialization of this idea.

The idea of android creation causes worry of society.
There are several films describing this idea such as “I am a robot”.
In these films robots have increased power, intelligence, even emotions and try to enslave humanity.

Androids can relive us from work and also replace people.
But would you like to be replaced? It’s virtually certain, we wouldn’t agree.
There isn’t a sufficient need for this innovation today.

Conversely, it’s highly likely that industrial robots will act everywhere.
Integrated in the fully automated lines in automobile, electrical and other industries they seem to be reliable to perform repetitive tasks.

2.8 Make a conclusion.
(Indicate that you want to finish, summarize, and make a general point) (Slides)
2.9 Thank the audience. Ask for questions or comments.
2.10. Answer questions and give clarifications

So that brings me to the end of my presentation. On the one hand, robots with intellectual abilities can make us free. On the other hand, robots can replace us. In conclusion, I have to ask you. What will you choose: not to work or to be replaced? This question blocks robotic innovations.
I'd like to thank you all for your attention …
Now I'm ready to answer your questions…

Thank you for your attention!

Participate in discussions.
Ask for clarifications.
Express your opinion, agree or disagree with colleagues

5 вопросов к своей презентации:
(в печатном виде – список вопросов с указанием фамилии, имени и темы)

Ф.И.О	Название работы	Questions
Иванов Иван Иванович	Renewable sources of energy Key words: Renewable source of energy Bioethanol Gasoline Fuel Cheap energy	Could you explain what you mean by "a renewable source of energy"? Do you mean that bioethanol is low-cost or can be produced quickly? Do you think gasoline will be replaced by bioethanol? What is the most important for you as an engineer: to pay less money or to get more energy?