Education Advantages Of Using Robots In The System

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Abstract. In the article roboticist devices , Arduino UNO boards using devices connect and them textbook as insert efficiency about feedback given .

Key words : Arduino, UNO, sketch, interface , robot, sensor , PID library , sensor, robotics , transport.

At the beginning of the 21st century education robotics many countries fast develop started Europe , USA and in Japan education of robotics different organizational forms wide distributed : school and in colleges from class except training , university and in institutions special sciences , private clubs , design firms by courses organize done Permanent respectively skill classes , robots selection and another activities , including from the Internet which uses events organize will be done .

In our country computer technology to learn about textbook and manuals as desired is found . However robotics science learning yet enough level to the road not placed . However , robotics without mastering the world development joined and his achievements achieved it won't happen . That's why it's so common medium education and medium special and higher education in institutions robotics separately lesson as training time on demand turning around managed to

Last in years education significant level changed . Opportunity limited student of our youth knowledge to get for this education robots very big help will give . **Whole the world across to classes new technologies come in coming** and pandemic because of remote of education wide current to be done with education receivers for knowledge get one how much it became easier .

Robotics technician devices collection with together them programming the issue is much more complicated process is considered Usually roboticist to devices programs Arduino board using is written . Arduino is it to himself special

processor and to memory have was small plate is not professional to users intended simple automation and robotics systems Create for intended hardware and software supply is a brand . Software supply part programs writing , compilation to do and software supply for free of charge software from the shell consists of Equipment part official work producers by for sale in advance collected print electron boards is a set . Full open system architecture Arduino products to you to the line easily copy transfer or to add opportunity will give

Europe in schools of technology the most new achievements with getting to know let 's go out , last times our attention drew of things one education from robots more use it has been . This robots not only learning experience optimization maybe they are **to students work in the market important has been main computer skills** possible [2, 3-b].

Last one how many year inside education significant level changed . **Whole the world across to classes new technologies come in coming** and pandemic because of remote of education wide current to be done with students for reading process Entirely changed went Europe business at school we always of technology the most new achievements with from dating we are interested and last times our attention drew of things one education from robots more use it has been . This robots not only learning experience optimization maybe they are **to students work in the market important has been main computer skills** can

Education robots science, technology , engineering to students and mathematics (STEM) subjects according to skills to take over possibility to give for used , they technology fast developing in the world more and more important important have

Robots to learn makes it easier and students in his youth robotics with introduces . Get started education in institutions students one series main tasks perform to create a robot for and programming learning can

Students more complicated as you get older tasks do it will receive and programming more complicated has been advanced from robots their uses can .[1, 3-b]

In class from robots different different use types there is they are different age of groups education needs adaptation can

Education robots to the students education system across in growth different different benefits will give . They are not only young of students early year old cognitive abilities and mathematician their thinking to develop help

gives , perhaps to them of reading another to the fields to pass possible has been also gives skills . <u>Worker power increasingly into STEM careers passing</u> because , computer programmers , technology specialists and software supply to engineers has been Demand each higher than ever . In these areas high salary get there is also a possibility .

now school and the university companies Demand to STEM skills that do have has been of students the number enough no , but **robots programming and from technology to use from a young age learning through they are tomorrow of the day competitive worker to the power better are prepared** [3, p. 95] Robots with study as well as work givers looking for problems solution do , analytical thinking and count such as one series another skills develops .

Robots of the future to the eye seen artificial from their intellects one is counted . Based on this himself himself balancing one how much projects created And this of robotics intensity with that is developing one is an example . Robotics - every for what child the most new and promising from training one is considered A lot cases they are to teachers help to give , even from a distance standing up is studying students for teacher task perform can School students later on in their lives need to be skill and knowledge with from equipment consists of to be need and technology skills the most important ones is one A lot people robotics field very complicated what they think is the field can , but if it to the students from a young age if given , it is more comfortable and interesting will be Some students different reasons according to each they cannot always go to school and education robots this the problem solution to do can

Robots to class students as a virtual avatar for at home take access can Modern video conference systems through student himself at home independent from working according to himself in class and in reading feel like participating can One teacher for in class each one to the student attention focus difficult , especially each one's individual needs if **Robots to the students to himself special requirements in execution help give takes** , this of teachers activities quite a bit relieves and to students their own personal education experiences to develop possibility gives [4, 115-b]

Robots addition to help needs individual students who are with work and work to them adaptation for programming can To these students attention to collect , themselves more to develop and from education more pleasure to get help will give . If you robots , automata , cyber-physics systems and a person by

placed tasks for artificial intellect design and programming if you learn , work giver for necessary expert to be can

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