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USE OF MULTIPOINT SERVER IN TEACHING

UPOTREBA MULTIPOINT SERVERA U NASTAVI

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Abstarct*: In this paper, in the short survey on the studious manner presents some of the advantages of using a MultiPoint Server, a computer system with a split resources through: display physical implementation in schools, through the display of administration, ease of management and labor with the server, and convenience, expediency, and rationality that offers this solution for use where a large number of users in the system, and all users (students) sharing the server resources absolutely get all the available resources that they need to work, get my job, to have their own workstation out on the Internet. Teachers (administrators) is providing insights on each workstation (all students), so you can follow their work, showing good examples to all workstations, using all methods and forms of work and at the end of the appropriateness of the existence of technical support by Microsoft.*
Key words: computer literacy, computer training, knowledge

Abstarct: *U ovom radu se, kroz kratak pregled, na studiozan način predstavljaju neke od prednosti koristeći MultiPoint Server, kompjuterski sistem sa odvojenim resursima kroz: prikaz fizičke realizacije u školama, prikaz administracije, lakoće upravljanja i rada sa serverom i njegovu udobnost, ekspeditivnosti i racionalnosti koje nudi ovo rešenje gde je veliki broj korisnika u sistemu, a svi korisnici (studenti) deljenjem resursa servera apsolutno dobijaju sve raspoložive resurse koji su im potrebni za rad, za svoj posao, da imaju svoju radnu stanicu na Internetu. Nastavnici (administratori) pružaju uvid u svaku radnu stanicu (svi studenti), tako da mogu pratiti njihov rad, prikazujući primere na svim radnim stanicama, koristeći sve metode i oblike rada i na kraju postojanje tehničke podrške od strane Microsoft-a.*
Ključne reči: *kompjuterska pismenost, informatička obuka, znanje, multipoint server*

1. INTRODUCTION

With the development of information technology and its application in almost all segments of human life, its use and capabilities have become indispensable. It is not surprising that in a period of several decades, the traditional form of literacy attached to the computer as a necessary condition for the participation of each individual in modern society. Bearing in mind the importance of information technology, it is not an exaggeration to say that today computer literacy is as important as writing and reading [1].

The technology quickly transform the way students learn and interact in the classroom and beyond. Digital technology creates a challenge for all schools; transition from traditional classrooms with green boards to digital classroom with computers, projectors and multimedia content. In order to enable schools to reach cheaper quality solutions for your e-cabinets, designed a concept where a computer is used by several students who do different tasks in different programs at several places computer software that supports Windows MultiPoint Server [2].

"The Ministry of Telecommunications n Information Society of the Republic of Serbia initiated the program" Digital School "in order to equip all primary schools in the territory of our country's modern computer cabinets. Within the "Digital School" primary schools across the country in the period from January to June, equipped with modern computer equipment and threatening software that will enable students to use computers in school and extracurricular activities, and thus provide them with the opportunity to improve their knowledge of information and communication technologies. The digital classrooms in addition to computer science will be able to hold classes and from other objects, which will make the teaching process more interesting and interactive [3].

2. WINDOWS MULTIPOINT SERVER

Windows MultiPoint Server solves the problem of accessibility, giving each student their own station with monitor, keyboard and mouse. All cells were then connected to a computer, and students share practical resources root server computers and two, three or more secondary servers. The teacher monitors and manages the learning experience of each student from the central station, expanding the possibilities for directing activities in the classroom and help students individually. Introduction New technology reduces costs and saves energy. With Windows MultiPoint Server, schools reduce direct investments in information technology, consume less energy and reduce running costs [4].

3. USING TOOLS MULTIPOINT MANAGER BY TEACHERS

In the MultiPoint Manager notable are four tabs: Home, Desktops, Stations and Users.

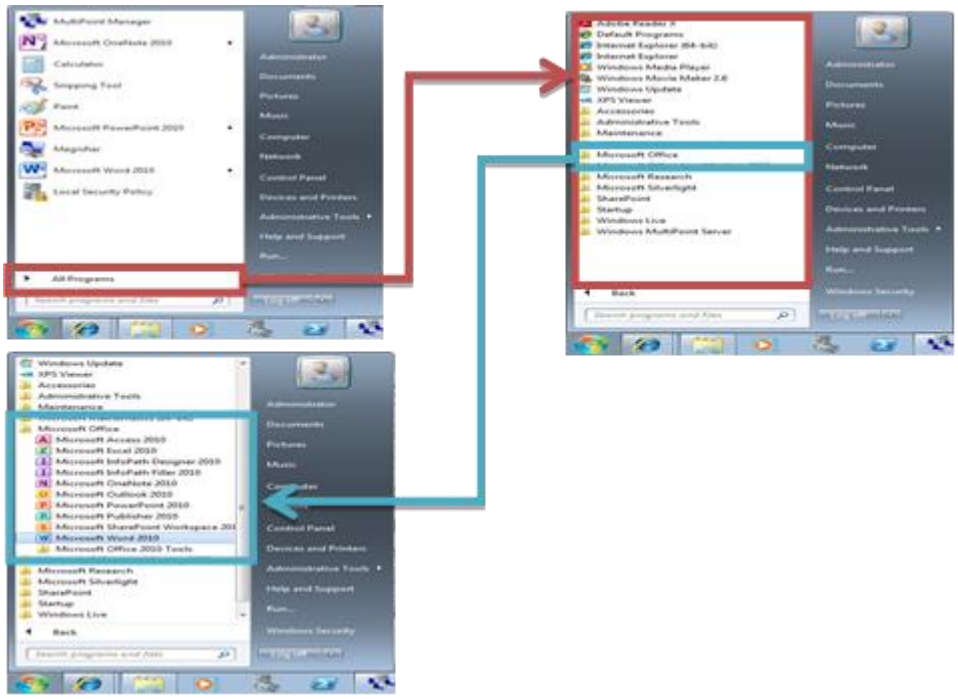

Figure 1. All Programs

First you need to MultiPoint Manager is selected Home tab at the top of the screen. When selecting the Home tab appears in the main window where the status of computers connected to the network MultiPoint Server, and on the right side of the list [5].

4. USING WINDOWS MULTIPOINT SERVER BY STUDENTS

4.1. STARTING THE PROGRAM

How are all included on a single server, all students can run all programs. Security system protects so as to launch certain programs need to enter the administrator username and password [6].

Although the student does not have administrator rights, he can see programs used by a teacher, as MultiPoint Manager, or the student account icons changed. In the lower right corner of the thumbnail has a shield with yellow and blue fields. All icons have such a label cannot be run with the students' accounts, but will require an administrator password.

4.2. DOWNLOAD THE FILE SHARES AND INDEPENDENT WORK

The teacher made the file (test) that each student should keep in your account (more private folder).

1. Opens you library Documents.
2. Finds you Files test, the next you clicks Right button Mouse and selected you option Copy.
3. With both sides in the navigation panel show you folders that you are in the library Documents and selection you folder My Documents.
4. Within folders My Documents clicks you Right button Mouse to empty space contents folder and selection you option Paste.
5. To end is required to you pursues Files by Teacher's instructions how to is teacher easier found. [7]

In this way the student keeps a file in your **My Documents** folder private and there the file cannot be seen by other students, but only teacher.

4.3. WORKING IN A SHARED NOTEBOOK IN ONENOTE

OneNote is a program which is a digital notebook. It kept notes, drawings, other documents and so on. OneNote is very suitable for everyday work because at every moment keeps everything changes very quickly learn (there is no wrong way to use), and is capable of simultaneous multiple users work on the same volume. There is already a shared volume that a student needs to open. When more students (and teachers) open the same shared workbook, each of them will see the changes that other users of the device. [8]

1. Powered by you **OneNote** and elected you **File - Open**
2. Click to button **Open Notebook**
3. User finds **Public Documents** in the within Library **Documents**
4. Locates and opens **the shared workbook.**

In this way, multiple users working on the same document (volumes). Any changes are updated for all users in a very short period of time. This mode is great for team activities.

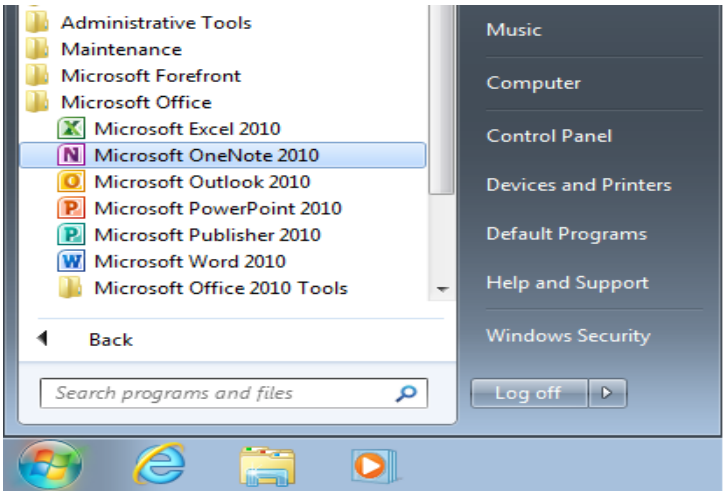

Figure 2. Finding OneNote 2010

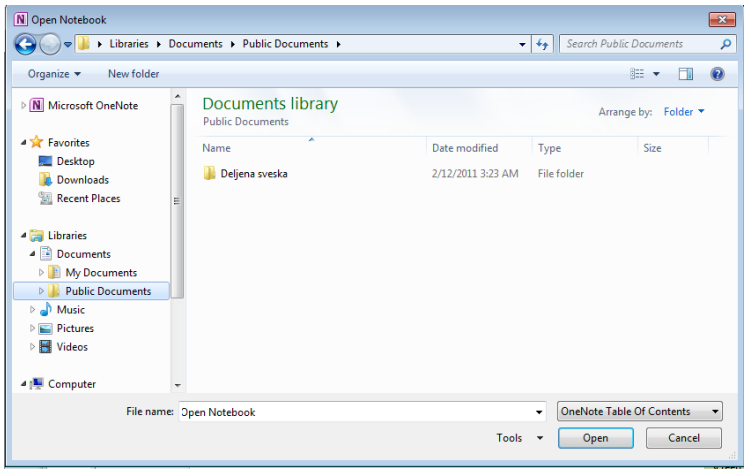

Figure 3. Public Folder Dokuments

5. ADJUSTMENT ORDER FOR STUDENTS WITH SPECIAL NEEDS.

One of the important features of MultiPoint Server is the adjustment accounts for students with special needs.

"Ease of Access" center

Figure 4. Starting order for the adjustment

Adjusting directly in Windows it is possible primarily for the visually impaired (eg, set the display contrast, the size of icons and fonts, cursor, etc., but does not help and totally

blind people) and for people who have problems with motor skills (eg. If they are shaking hands should be set to keypad reacts to a prolonged contact, and if the keypad is managed by a straw in his mouth keeps the user should be set so as to react in a very short shot) No narrator for the Serbian language (English only), but does not help for completely deaf. For these students should make a special account on the system!

In the framework of the "Partners in Learning" a manual for teachers in schools working with children with special needs, which explains how it is possible operating system Microsoft Windows, Internet browser Internet Explorer and Microsoft Office office suite adapted to different groups of children with special needs. This manual can be very useful to parents of children with special needs [9].

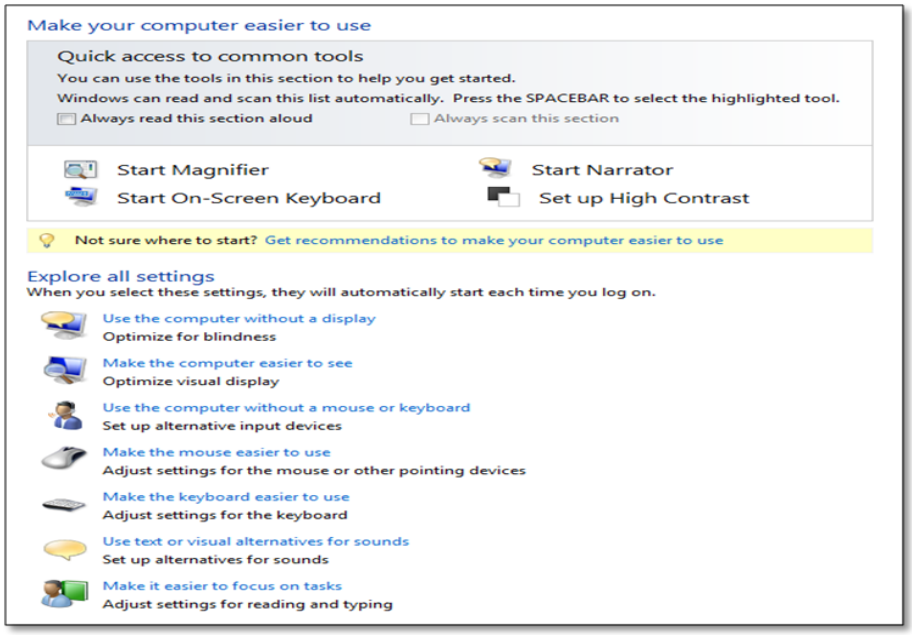

Figure 5. Appearance window

6. CONCLUSION

This paper presents a methodology's access to the Information and communication technologies have become increasingly integral part of our lives, and so part of education. In recent years, ICT is increasingly used in teaching in educational institutions and continue to represent the present and not the future of teaching. This meticulous research work has been shown and illustrated through concrete examples and explanations when administrating the solution to shared resources and using **Windows** MultiPoint Server is very easy to use administrator (teacher) who have IT knowledge at a high level, but also in education very short period of time can and teachers who have a low level of computer literacy trained to work with this solution. The implementation of this solution schools will receive significant savings in money when investing in new

cabinets in Informatics and Computing, and at the same time will receive the most modern solutions in terms of the use of Windows 7. It shows the possibility that all programs supported by this operating system can be installed and can work with them. In case you do a comparison i.e. to compare the solution to shared resources, in addition to reducing the costs of implementing this solution, it is evident that enables energy savings. Previous solutions to schools provide the students due to material defects cash work in pairs or threes on a single computer, while the application of this solution every student has a computer that works independently, custody, and receives instructions from the teacher. It is very important that every student has access to the Internet, of course with administrator permission teachers. Using the solutions to shared resources is smaller and complexity of operation and maintenance of the system. As for holding classes, the teacher has a list of all users at any time on your computer so you can control their work, and with that applied all the methods and forms of educational work. And finally, there is also licensed Microsoft software from the company that offers both security in every sense of the word, and technical support, for today, tomorrow and the future.

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