

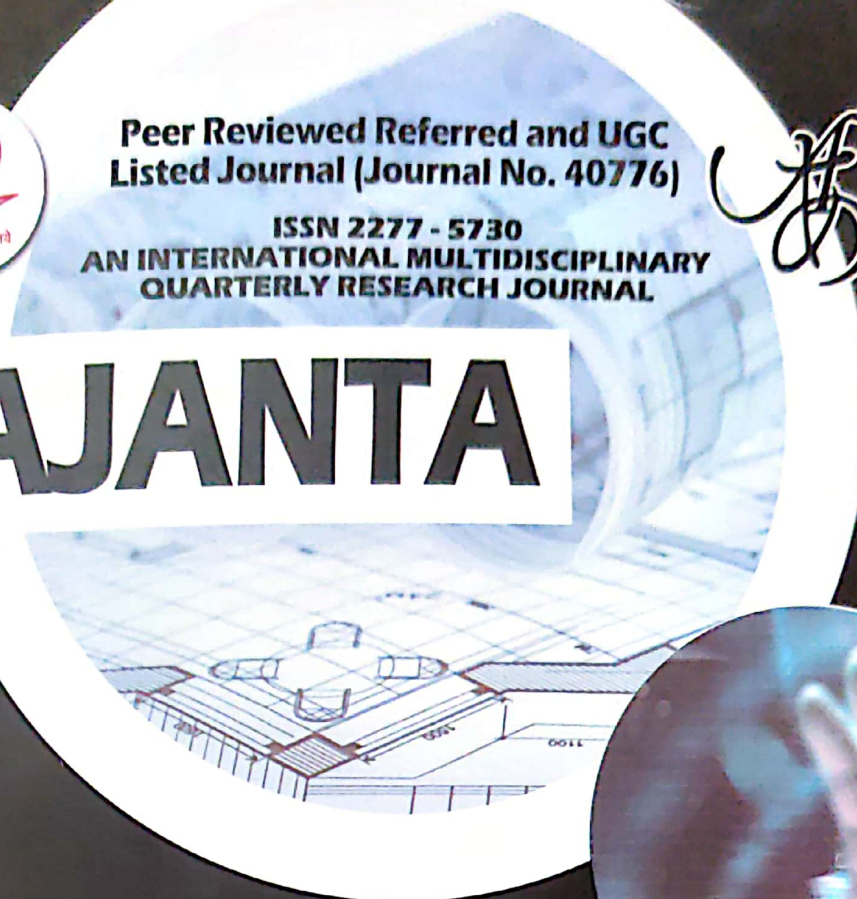


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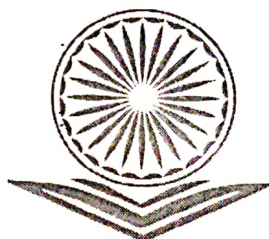
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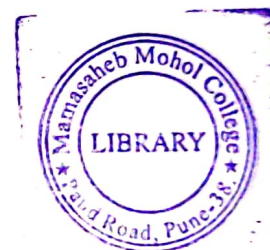
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8. To Study the Impact of ICT Tools on Current Education System and its Advantages and Disadvantages

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Abstract

Information and communication technologies ICT improves the effectiveness of education. It aids literacy movements. It enhances scope of education by facilitating mobile learning and inclusive education. It facilitates research and scholarly communication. Impact of ICT and its potential for the education field is manifold. It absolutely affects all the stakeholders of the education field. The current papers discuss constant beside the assorted challenges display by ICT. The challenges embody economical problems, academic and technical factors. Appropriate content, style and workability of ICT conjointly play a vital role in adoption of ICT within the education field. The paper delineates briefly the challenges and probable solutions. Role of knowledge and Communication Technology (ICT), within the education sector plays a vital role, particularly within the method of empowering the technology into the academic activities. Technology in another aspect will be the foremost effective thanks to increase the student's data.

Talking about the presence of ICT in Education, Ashok Mehta, President- ICT and Skills Smart class Educational services Pvt Ltd, stretched out his views on the industry, "I am trying to work on relevant solutions particularly by integrating ICT. It's successful once teachers have appreciated. MHRD has already emphasized on the importance of ICT in education and there are some schemes already floated by the government where companies like Smart class have made huge contribution.

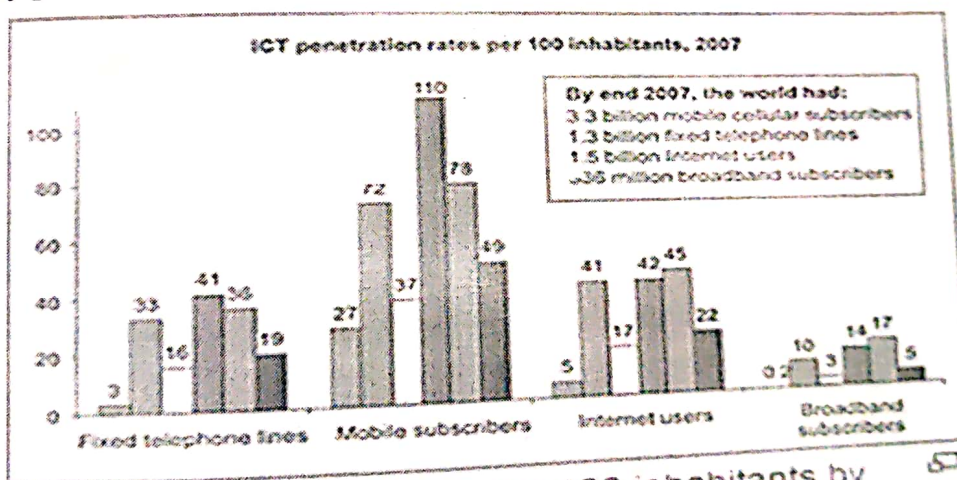
The main concern here is to bridge the differences amongst the students, parents & teachers leading to an effective interaction and a transparency between the three. An effective

importance should also be given to promote the culture of learning at school, colleges and to support them in sharing experience and information with others.

Keywords: Information and Communication Technology (ICT), education, Advantages, Disadvantages.

1. Introduction

Information and communication technology (ICT) is one in all the foremost vital driving forces promoting economic process within the economy. However, there's less of a accord among economists on whether or not the impact of ICT conjointly stems from higher total issue productivity (TFP) growth and improved potency of production (due to a better educated population). During the last twenty years countries have endowed heavily in ICT. Indeed, the utilization of ICT in education and coaching has been a key priority in Federal Republic of Nigeria within the last decade, although progress has been uneven. ICT has had a serious impact on the education sector, on organisation and on teaching and learning strategies. Yet there area unit significantly totally different ICT expenditure levels between establishments among the country. Some colleges have embedded ICT into the programme, and demonstrate high levels of effective and appropriate ICT use to support teaching and learning across a wide range of subject areas. However, another colleges area unit within the early part of adopting ICT, defined by vital enhancements of the training method, some developments of e-learning (ICT-enabled learning), but without any profound enhancements in learning and teaching (Balanskat et al., 2006).



Graph of ICT penetration per 100 inhabitants by International Telecommunication Union

Fig 1: Above Image Shows Survey Done in Various Countries they are as Follows

1. Africa
2. Europe
3. Germany
4. America

- 5. India
- 6. Russia
- 1. **General ICT tools for teaching and learning**
 - **Smart Class Rooms**

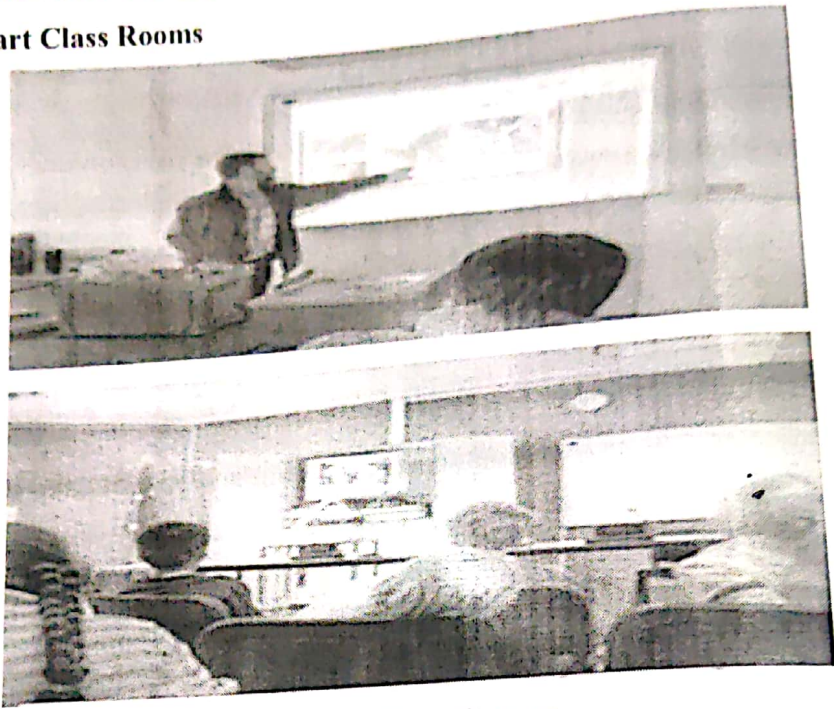


Fig.2: Smart Class Rooms

- **Online Studies**



Fig 4: Online Interaction between Students and Teachers

- Desktop and laptops
- Projector
- Digital cameras
- Printer
- Photocopier

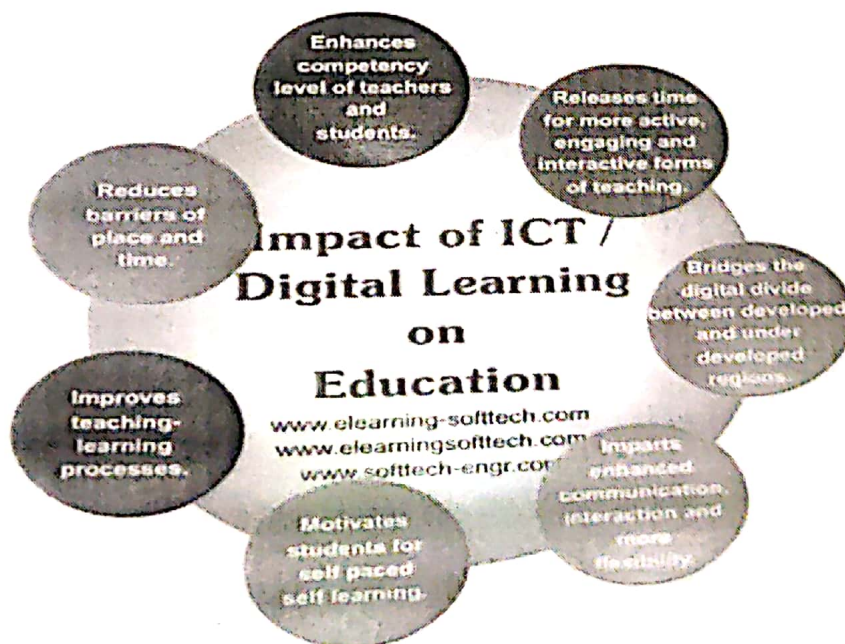
- tablets
- Popplet
- Pen Drive
- Ipods
- Ipads
- Webboards
- Scanners
- Microphones
- interactive white board
- DVDs and CDs
- Flash discs
- video Games

SNE ICT tools for teaching and learning

Teachers managing the SNE would force special ICT tools like;

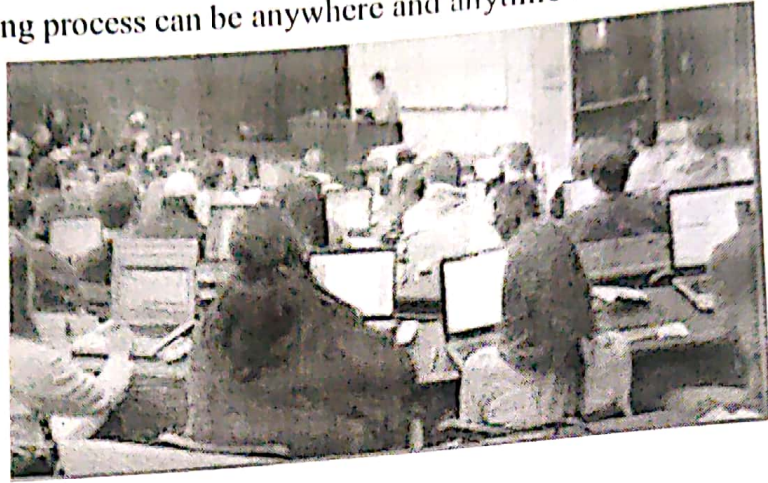
- Text magnifier
- Head wands
- Keyboard for cerebral Percy
- Braille
- Typing aids
- Large prints
- Audio books

2. Impact of ICT in Education Sector



➤ **Learning Using ICT**

- Motivates Learner
- Students use interactive whiteboard in classrooms
- Learning process can be anywhere and anytime .



- **Impact on curriculum**
- Based on fixed content which students required to learn and reproduce.
- Focuses on the skills needed to build and communicate knowledge.
- Traditional, closed curriculum.
- Goal destined curricula and syllabuses will be modified in line with learner's wants.
- **Impact on teachers**
 - Lesson plans
 - Network of teachers
 - Pedagogical techniques

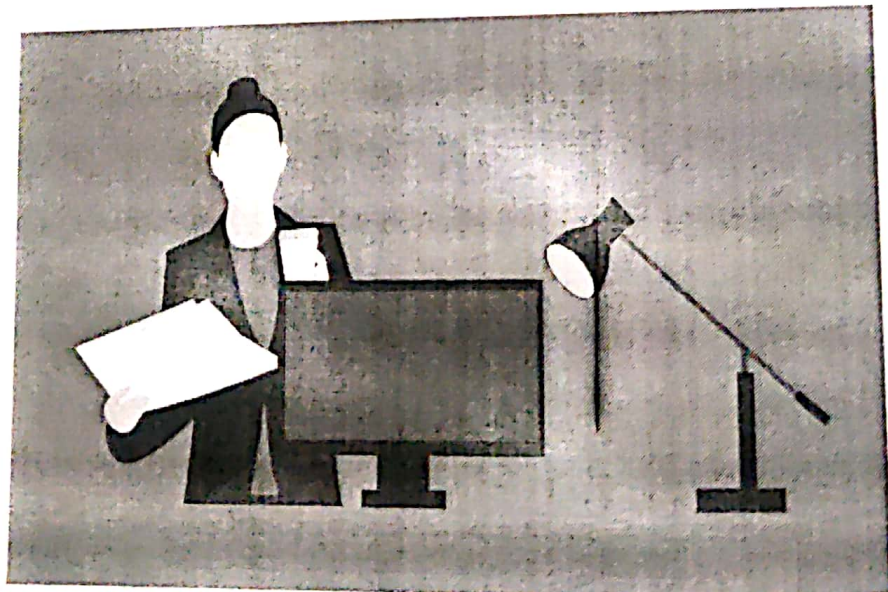


Fig 3: Impact on Teacher for Preparation of Syllabus

3. Advantages of Using ICT Tools in Education

As was recognized antecedently, the net provides students with the tools they have to get and own data. And give students the hooks and templates they have to lock data to the memory.

3.1. Motivating Factor

The Internet will act as a noteworthy tool for several students. Young people are very captivated with technology. Educators should exploit this interest, excitement, and enthusiasm about the Internet for the purpose of enhancing learning. For already enthusiastic learners, the net permits you to produce them with further learning activities not without delay accessible within the room.

3.2. Fast Communication

The Internet promotes fast communication across geographical barriers. Your students will be part of cooperative comes that involve students from totally different states, countries or continents. This type of learning expertise wasn't potential before the net. This is a novel learning expertise terribly essential for every of our students, as the world is becoming one big community.

3.3. Cooperative Learning

The Internet facilitates cooperative learning, encourages dialogue, and creates a more engaging classroom. For example, a LISTSER V for our class will allow your students to get involved in class discussions through e-mails in a way not possible within the four walls of the classroom.

3.4. Locating Research Materials

Apart from communication, research is what takes many people to the Internet. There area unit more resources on the net than the varsity library will offer. We can encourage students to require advantage of this wealth of resources on the net for his or her analysis.

3.5. Acquiring Varied Writing Skills

If students area unit needed to publish their work on the net, they have to develop hypertext skills. These skills facilitate students gain expertise in non-sequential writings. Moreover, and since the net is receptive all with access, students business enterprise their work on the net area unit forced to be aware of their language and to put in writing to non-expert audience.

4. Advantages of using ICT Tools in Education

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4.3. Cooperative Learning

The Internet facilitates cooperative learning, encourages dialogue, and creates a more engaging classroom. For example, a LISTSER V for our category can permit your students to induce concerned in school discussions through e-mails in a very manner insufferable among the four walls of the classroom.

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Apart from communication, analysis is what takes many folks to the net. There area unit more resources on the net than the college library will give. We can encourage students to require advantage of this wealth of resources on the net for his or her analysis.

4.5. Acquiring Varied Writing Skills

If students area unit needed to publish their work on the net, they need to develop machine-readable text skills. These skills facilitate students gain expertise in non-sequential writings. Moreover, and since the net is hospitable all with access, students publication their work on the net area unit forced to be aware of their language and to jot down to non-expert audience.

4.6. Improves Engagement

When technology is integrated into lessons, students are unit expected to be a lot of curious about the topics they're learning. Technology provides completely different opportunities to create learning a lot of fun and pleasurable in terms of teaching same things in new ways that. For instance, delivering teaching through gamification, taking students on virtual field visits and victimization different on-line learning resources. What is a lot of, technology will encourage a a lot of active participation within the learning method which may be exhausting to realize through a standard lecture surroundings.

4.7. Improves Knowledge Retention

Students United Nations agency are unit engaged and curious about things they're learning, are unit expected to own a stronger data retention. As mentioned before, technology will facilitate to encourage active participation within the room that is also a awfully vital issue for multiplied data retention. Different kinds of technology will be accustomed experiment with and choose what works best for college students, in terms of retentive their data.

4.8. Encourages Individual Learning

No one learns within the same manner as a result of {different|totally completely different|completely different} learning designs and different skills. Technology provides nice opportunities for creating learning more practical for everybody with completely different wants. For example, students will learn at their own speed, review tough ideas or skip ahead if they have to. What is a lot of, technology will give a lot of opportunities for troubled or disabled students. Access to the net provides students access to a broad vary of resources to conduct analysis in numerous ways that, that successively will increase the engagement.

4.9. Encourages Collaboration

Students will apply collaboration skills by obtaining concerned in numerous on-line activities. For instance, functioning on completely different comes by collaborating with others on forums or by sharing documents on their virtual learning environments. Technology will encourage collaboration with students within the same room, same faculty and even with different lecture rooms round the world.

4.10. Students can Learn Useful Life Skills through Technology

By victimization technology within the room, both teachers and students can develop skills essential for the 21st century. Students will gain the abilities they're going to ought to achieve success within the future. Modern learning is concerning collaborating with others, finding complicated issues, vital thinking, developing completely different kinds of

communication and leadership skills, and up motivation and productivity. What is a lot of, technology can help develop many practical skills, including creating presentations, learning to differentiate reliable from unreliable sources on the Internet, maintaining proper online etiquette, and writing emails. These area unit important skills that may be developed within the room.

5.7. Insufficient Methods of Teaching

With the advancement of mechanization, lecturers don't seem to be equally trained with its correct implementation. Thus learners square measure simply victimization technology rather than gaining data from it. Using discipline to realize education within the correct approach could be a sensible factor however to remodel it into an energetic set of skills could be a matter of your time.

Inquiry-based learning is that the best thanks to teach the learners wherever they get a chance to analysis on totally different topics severally. Therefore, technology ought to be amalgamated with this technique of teaching to create the learner's brain keep operating rather than being wholly captivated with them.

5.8. Transforming Learners into Inefficient Learners

Very tough to seek out the word "diligent" in learners these days as most of the teachings will be simply accessible to them on-line through totally different websites in their computers that square measure making them inattentive in school rooms or creating the molecule skip colleges oftentimes.

Relying utterly on computers square measure making poor learning habits. Many students keep browsing websites to seek out the shortest doable thanks to solve issues in arithmetic rather than finding them in a very ancient approach that really helps them to gain in-depth knowledge of the subjects. Spell-checkers prevents them from learning the correct spelling thus resulting infinite spelling mistakes in paper.

5.9. Misguided by the Wrong Information

With the speeding development of technology, the websites owner urges to rank their websites higher in search engines, so they only concentrate on rankings instead of the content that they are posting. Many websites keep company with wrong data that has been derived and affixed from alternative sources on faith its legitimacy. Thus the learners square measure misguided by the incorrect informations accessible on the websites. These things will maybe become serious obstacles in their development.

5.10. Major Sources of Distractions

One of the statistics that exposed, almost 60% of the schools in U.S.A issues laptops and tablets. As you recognize that in gift generation social networking sites are actually ruling the globe with its enticing innovations thus students and learners square measure busy in checking their posts and updates, counting the number of likes, checking the status that they themselves or any of their near and dear ones updated, engage in commenting on social sites etc. all these activities produce a large distance between them and their education.

5.11. Creating Enough Room for Cheating

The mechanized world is creating you a lot of and a lot of lazy giving all the powers to manage everything by a click of mouse. Cheating is Associate in Nursing criminal activity however technology created it a lot of powerful and simple to use with its powerful wings. It has very become terribly powerful to manage this activity, especially in the examination environment. Smartphones square measure accessible with all its advanced options and instant web accessibility that compel them to use it with none hassles.

5.12. Increase Rate of Cyber Bullying

Cyber bullying is Associate in Nursing criminal activity wherever particularly kids be the lure of extralegal crimes while not their data. The young learners have a simple access to umteen accounts that tends them to enter into the dark tunnel of harassment that has Associate in Nursing entry however no exit from time to time. They lost in its darkness along side their shining future that may have given miraculous results if cultivated properly however with cyber bullying everything gets washed off all of a sudden.

5.13. Makes Learners Disconnected from the Real World

In recent days to stay equal pace with technology educators square measure busy in educating the learners with its on-line education tools rather than communication orally that produces them unable to interact with their lecturers and share their issues overtly to beat it. Teachers fail to draw student's attention. To avoid these drawback educators must always use verbal communications along side on-line education tools in order that their students will dynamically learn the topics along side correct interactions.

5.14. Major Challenges for Teachers

Every day, scientists keep company with new discoveries and challenges that keep technology rolling each second. Softwares keep it up upgrading and if a lecturer doesn't possess technical skills, it becomes difficult for him to execute it in the right direction. Hence, educators

ought to be knowledgeable in technical skills too the college needs to rent technical specialists adding further expenses to their expenditures to beat these technical challenges.

5.15. Difficult to Deal with Online Courses

You keep on exploring the globe day after day however still there square measure countless facts that square measure left unknown. Knowledge has no limit and no age. Many students or learners have urge to stay their learning prolong and on however from time to time it becomes tough for them to attend regular categories thanks to their job or alternative difficulties however with advance science it's become simple these days because it has given North American country the marvellous possibility of studying on-line courses along side our regular activities, but issues like slow web speed and network problems keeps worrying you. The other disadvantage is that these on-line courses usually fail to form motivation for learning or self-discipline and frequently ends with monotonous experiences and frustration.

5.16. Extinct of Good Handwriting

As smartphones, laptops, desktops and tablets wholly replaced the use of paper and pen, therefore, finding a person with good hand writing is just like finding a needle in the haystack. All the vital documents square measure currently typewritten and fitted in this tiny folder icon in your laptop computer. Experts say that folks square measure sacrificing their handwriting to adopt the technology for quick learning. Using of technology in situ of handwriting curtail your thinking method by creating your neurons stuporous.

6. Conclusion

In sum, not all lessons will be incorporated into the net. In teaching victimization cyberspace, we have to convince that using the Net adds something new, some real value to our teaching. But also, students ought to be trained to use the accessible technology with efficiency. We should collaborate with other teachers in the school and in the system, because cooperation and mutual understanding is very important especially when the school has few Internet accounts. Through the net, the student can communicate or collaborate with other students or experts in the field across geographically boundaries. Moreover, they can join a news group on a particular topic of interest. What is most interesting about the Net, as far as communication is concerned, is that it is race, age, national origin, and gender blind. The Net also enables students to publish projects' findings to be seen by their peers around the world. This might give some students the motivation they need to complete their work on time, to be mindful of their language. Therefore, every student can benefit from a Net communication project.

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