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DEVELOPMENT OF INTERACTIVE FORMS OF COMMUNICATION THROUGH ARTIFICIAL INTELLIGENCE

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ABSTRACT

Artificial intelligence (AI) has opened up new opportunities for implementing interactive media communication in the digital environment, demonstrating its potential. However, developing users' conscious, responsible attitude to interaction with AI tools, critical thinking, and technological knowledge requires a complex and balanced pedagogical approach. The aim of this article is to investigate the potential of AI tools to increase the effectiveness of interactive forms of communication in the digital environment. The research employed the following empirical methods: experiment, questionnaire, as well as qualitative and quantitative analysis. The concept of developing interactive media communication skills was developed. An educational experiment was conducted to analyse the capabilities of AI tools in increasing the effectiveness of interactive forms of communication in the digital environment. The results of the survey of students taking the experimental course showed that technologies are most effective in the following processes: creation and editing of interactive media content (4.89 points), distribution of content in the digital environment (4.76 points), fact-checking (4.27 points), and data collection for case studies (4.03 points). The results of the survey of the participants of the educational experiment - a group of media content consumers showed that interactive communication in the digital environment left a positive impression on the respondents. The respondents rated their experience as creative (9.7 points), exciting (9.5 points), informative (9.3 points), interesting (8.9 points), inspiring (8.8 points), intriguing (8.5 points), stimulating (8.1 points). The article may be of interest to educators who are looking for optimal strategies for integrating AI tools into educational programmes for the development of interactive media communication skills in a digital environment.

Key words: Artificial Intelligence (AI) Tools, Media Industry, Media Content, Interactive Communication, Content Generation, Fact-checking, Content Distribution. © Little Lion Scientific

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1. INTRODUCTION

of The acceleration development and the spread of smartphones and the informational content into an engaging experience. Internet in people's lives have launched new An immersive gamified approach is particularly processes of information consumption [1]. The effective in educational contexts, where it helps development of new technologies and their inclusion develop practical and cognitive skills by simulating in all areas of social life have changed how real-life situations and teamwork [20]. Integrating information is perceived and transferred [2, 3]. As serious games into educational programs enhances technology advances, mass media has entered a new learning and equips students with relevant skills to era marked by the digital distribution of information tackle 21st-century challenges [21]. These games and the fusion of multiple media formats [4]. In promote teamwork and cooperation through addition, introducing new innovative technologies, interactive simulations, allowing students to develop such as AI and natural language generation (NLG), practical skills by addressing real-world professional has played an important role in emerging new media challenges [22, 23]. Additionally, the simulation of concepts [5]. Not only has users' perception of news business processes offers significant potential for content changed, but so have the expectations of the practising professional skills and cognitive abilities, news presentation format, the orientation of which making them essential in training future specialists has transformed from a readable presentation to the [24]. creation of an immersive experience with the effect of immersion and presence. In the context of fundamentally technological progress, digital communication skills communication are becoming critically important [6].

Interactive communication skills are gaining digital particular significance in the context of hybrid media advancements also present challenges regarding culture, where immersive technologies create new users' conscious and responsible engagement with AI forms of reality representation [7]-[9]. They play a tools. Researchers, educators, and media industry key role in international communication, as cultural representatives emphasise the need for a balanced differences influence the perception of media approach to integrating AI into educational processes messages. The ability to effectively use interactive and professional practices [26], prioritising the formats helps tailor content for different audiences development of ethical awareness, critical thinking, and fosters deeper mutual understanding. The author technological knowledge, and media literacy among of this article [10] noted that how a media message is students [27]. presented significantly affects its content. The other researchers [11] argue that various forms of possibilities of AI to improve the efficiency and immersive communication in the digital environment quality of interactive forms of communication in the have significant potential for cultural adaptation and digital environment. The aim involves the fulfilment communicative effectiveness.

There is an increased interest of scientists. teachers and media industry workers in the AI interactive media communication skills and the potential [12], as well as the concept of interactive structure of the online course Artificial Intelligence gamified communication in the digital space, and Interactive Media Communication; supported by the technological capabilities of AI [13]-[15]. The concept of gamification has gained participation of 77 masters of Taras Shevchenko popularity as a way to engage and motivate people to National University of Kyiv, studying in the achieve their goals [16]. The market for gamified following fields: journalism, sociology, philology, journalism and news games is rapidly developing. international economic relations, economics; Games can now perform news functions, and news an integral part of the new media ecosystem today, implementation opening up huge potential for the development of communication in the digital environment; modern journalism [18]. Media workers discover AI's significant benefits for improving their operations' of media content consumers to the acquired efficiency and data management [19]. Skills in game- experience of interactive communication with media based interactive communication are important for content authors.

enhancing consumer engagement with informational content. Through gamification, it is possible to technological transform traditional formats of transmitted

> The emergence of GenAI tools has transformed traditional approaches, creating new opportunities for enhancing quality and efficiency in interactions [25]. However, these

> The aim of the article is to study the of the following research objectives:

> - present the concept of developing students'

- conduct an educational experiment with the

- determine the impact of the technological can appear in interactive gamified formats [17]. AI is capabilities of AI on the effectiveness of the of interactive forms of

- analyse the attitude of the target audience

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The main questions of our research are:

intelligence provide for enhancing the quality of intermediaries media communication in the digital environment?

intelligence in implementing interactive forms of also facilitates innovative audience engagement. media communication?

artificial intelligence affect the effectiveness of dynamism and consistency, as its important interactive communication forms in the digital characteristic is the constant updating of media environment?

2. LITERATURE REVIEW

digital network environment, the use of AI example, using the number of reposts. Such applications and algorithms in the activities of quantitative indicators can be supplemented with mediators and consumers of media resources changes qualitative data, such as NLP analysis of user text and reconfigures the media industry: it undermines comments [35]. Researchers [36] believe that AI business models, overturns usual work processes and, systems can help identify relevant content for among other things, opens the flow of alternative balanced research by specifically suggesting information [28]. AI development is transforming the alternative informational propositions for certain media industry and arise debate about the benefits and positions or topics, thus counteracting biased, onerisks that AI may bring [29]. According to Ghanaian sided coverage or even disclosing false news. researchers [30], the future of the media industry in Researchers [37] believe that although AI promises the age of AI is collaboration, where technology great advances in the media industry and news empowers mediators while the core human qualities production, ontological discussions about the of the profession remain central. According to the relationship between AI and its impact on society are authors, the transforming conditions of the media urgently needed to create a balanced information environment require professionals to adapt to environment. By creating value and adjusting the changing circumstances and maintain ethical delivery of content according to the target audience's standards in collaborating with technologies.

communication is attractive, given the number and media companies. However, media industry types of tasks that AI models can fulfil [31]. The representatives need to follow effective strategies for author of this research [32] distinguishes two areas the responsible use of AI to ensure that the use of AI that are a priority for using AI in the media space: will have positive externalities for society [38]. content generation and personalisation. AI tools can According to the authors, it is essential for media expand and supplement mediators' capabilities, industry professionals to adopt effective strategies for especially in the content generation process. AI-based the responsible use of AI to ensure that its application personalisation that relies on consumer interests can yields positive societal outcomes while enhancing ensure that content is relevant and interesting, thereby audience engagement. optimising consumer interaction. According to Chinese scholars [33], AI is expanding in the media the transformation of the media industry due to the field and is increasingly being applied in four areas: shift of media communications into a digital network data collection and news writing, editing, distribution, environment, where intermediaries and consumers' and news review. The AI implementation in editing use of AI applications and algorithms disrupt simplifies the news editing process and increases the traditional business models and workflows. This quality of news products. According to Indian evolution underscores the critical importance of researcher [34], AI can be used to analyse audience developing digital interaction skills with AI tools, as behaviour and preferences, which can help media these skills are essential for navigating the outlets target their content more effectively and complexities of the new media landscape. improve their marketing strategies. According to the Furthermore, there is a pressing need for responsible authors, the integration of AI technologies into media AI integration in media practices to ensure ethical communication is highly attractive due to the diverse standards are upheld, highlighting the necessity for

tasks that AI models can perform, particularly in What opportunities does generative artificial content generation. By enhancing the capabilities of and enabling more relevant interactions with consumers, AI not only streamlines What are the priority areas for using artificial the editing process and improves news quality but

Norwegian researchers believe that How do the technological capabilities of interactive media communication should be based on content, taking into account not only how the event unfolds but also how it is reported and how reactions, opinions, interests, advice and information needs of the audience develop. The audience can be profiled The transition of media communication to a using explicit ratings directly or indirectly, for needs, AI technologies increase the engagement of Integrating AI technologies into media the target audience and, accordingly, the income of

The key problem identified in the research is

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professionals to be equipped with the competencies to an advertising campaign was conducted in the engage effectively and responsibly with AI university media resource, aimed at attracting technologies.

3. MATERIALS AND METHODS

3.1. Research Design

from January to July 2024 to explore the opportunities the experiment, lead a discussion, write reviews, pass AI tools offer for ensuring the quality and efficiency tests, answer questions and evaluate the media of environment. The educational experiment was experiment. organised, conducted and moderated by 3 teachers and 5 graduate students of the Department of Editorial invited to conduct case studies in the following areas: and Publishing Technologies and Production and the political, social, economic, cultural, educational and Department of Print Mass Media and the History of technological spheres. Students had the opportunity Journalism of Taras Shevchenko National University to choose an interesting direction on their own. The of Kyiv. The authors of the course presented the method of free choice was applied to form 6 thematic concept of developing students' interactive media working subgroups. Interaction of subgroups was communication skills (Appendix A, Figure A. 1), on carried out on the platform for joint work the basis of which the educational experiment was Microsoft Teams (https://support.microsoft.com/uk). implemented.

Online educational course Intelligence and Interactive Media Communication their experience using AI tools. was developed based on the author's concept of developing interactive media communication skills 3.2. Sample (Appendix B, Figure B.1). The training was conducted using a mobile application on the Skills master's students of Taras Shevchenko National Run training platform (https://skillzrun.com/) with University of Kyiv, who majored in journalism, the aim of providing students with structured sociology, philology, international economic interactive educational material, which included short relations, economics (Appendix C, Table C.1). video instructions on the use of modern digital technologies in journalistic activities. The purpose of 3.3. Methods training using the mobile application was the development of students' hard professional skills as: experiment, questionnaire survey, qualitative and (Hard Skills) in interactive communication — quantitative analysis. The experimental method was specific technical skills and knowledge that are applied to create an environment for practical training necessary for successful work in the field of media and testing of AI tools in the educational practice of and communications.

twice a week on the Zoom platform. The meetings on the AI opportunities in implementing various were held in video lectures and collective discussions forms of interactive communication in the digital on the topic Self-Efficacy in the Network. These environment. The qualitative and quantitative meetings aimed to develop students' communication skills, self-awareness, responsibility, AI tools on the effectiveness of interactive forms of and ethics.

moderators The course communication platforms on Facebook, YouTube, achieved in the development of hard and soft skills of Twitter, Instagram, WhatsApp, and Telegram to interactive communication. provide students with the opportunity to learn in realistic conditions. Students published their case 3.4. Survey studies, conducted interactive communication in those social networks: organised forums, discussions, educational experiment was conducted on the Skills quests, etc., and practiced social media analysis. Run educational platform (https://skillzrun.com/). At Before the beginning of the educational experiment, the end of the six-month training, students were asked

students to participate in the educational experiment as consumers of media content. So, an additional group consisting of 750 students of Taras Shevchenko National University of Kyiv was formed using online registration and instruction. The participants of the An educational experiment was conducted additional group undertook to take an active part in interactive communication in a digital content proposed by the main participants of the

The participants of the main group were In addition, a group was created in Telegram for Artificial students to communicate and write reviews about

The educational experiment involved 77

The research used such empirical methods creating and distributing media content. Analytical Online meetings with teachers were held methods were applied to structure students' feedback soft analytical method was used to identify the impact of communication in the digital environment, analysing created the opinions of participants about the progress

The survey of the participants of the

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proposed areas of using AI tools is the most effective: the foundation for successful media communication i) data collection and case studies; ii) fact-checking; in the digital environment. Figure 1 presents the iii) creation and editing of interactive media content; priority areas of using AI in implementing interactive iii) distribution of digital media content. A 4-point forms of media communication in the digital Likert scale was used for the survey: 1 - not effective, environment. 2 - partially effective, 3 - largely effective, 4 maximum possible effectiveness.

The participants of the main group of the educational experiment were asked to evaluate their personal progress in the development of interactive communication skills in the digital environment using a Likert scale in 5 grades: 1 — low progress, 2 insignificant progress, 3 — noticeable progress, 4 significant progress — absolute progress. Students had the opportunity to assess progress in the development of such skills as: Hard Skills (research skills, digital skills, operational skills, multimedia skills, project management skills, analytical skills) and Soft Skills (communication, flexibility and adaptability, creativity, ability to work in a team).

A survey of additional group members -450 people — was conducted using Google Forms (https://docs.google.com/). The respondents were asked to evaluate their experience of participating in the educational experiment. It was suggested to rate the experience of interaction with media content authors on a 10-point scale according to the following criteria: interesting, creative, informative, stimulating, inspiring, exciting, intriguing.

3.5. Instruments

The obtained data were analysed and processed using statistical methods and Microsoft Excel software. Respondents' questionnaires were sorted by relevance. T-test of the independent sample method was conducted, and the results showed no significant difference (>0.041). The Harman singlefactor test was used to check the systematic error of the common method. The variance of the first factor was 36.37% (less than 50%), which confirms the absence of a serious systematic error of the general method of this study.

4. RESULTS

AI implementation The in media communication opens up new horizons and opportunities for improving the quality of media content but also requires a conscious approach to the development of skills and abilities of future mediators. A key aspect is the development of ethical awareness and critical thinking, which will allow specialists to cope with the challenges of the modern allowing efficient filtering and analysis of data. The

to answer the following question: "In which of the of hard and soft interactive communication skills lays



Figure 1: Priority Areas Of Using AI In Implementing Interactive Forms Of Media Communication In The Digital Environment Source: developed by the author

The results of the educational experiment showed that AI tools can significantly increase the effectiveness of interactive forms of communication in the digital environment. Students who took the online course Artificial Intelligence and Interactive Media Communication noted that these tools were especially useful in the following areas of educational activity: creation and editing of interactive media content — 4.89 points, distribution of content in the digital environment — 4, 76 points, fact-checking -4.27 points, data collection for case studies - 4.03 points. These results confirm the importance of integrating AI into the educational process, opening up new opportunities for learning and research. Feedback from students about the experience of interacting with AI tools in the learning process are summarised below by key areas of activity:

4.1. Data Collection and Conducting Case Studies

"AI tools proved useful to me during the case study, providing quick and reliable access to information from various sources. The AI use significantly accelerated the process of data analysis and preparation of materials."

"AI has been useful for my case study, providing relevant real-time information and media landscape effectively. A balanced combination use of AI has greatly simplified the online media

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monitoring process and accelerated the preparation of materials."

finding and analysing information for my research. international sources of information" Thanks to its ability to predict trends, I was always aware of the most relevant topics and stories, which and efficiently. The functions of generating images made it possible for me to create relevant media and applying effects have significantly enriched the content.

"AI provided significant support in the data attractive and informative." collection process for my research. Thanks to the functions of generating audio versions of articles and videos. Thanks to the ability to clone voices and quick access to reviews, I was able to efficiently create my own avatars, I was able to effectively collect information and optimise work processes."

"AI has greatly simplified the process of audience." conducting research, enabling to quickly find relevant and interesting content. The tools for analysing and detailed requests helped me to visualise information tracking thoughts helped me to discover important and make materials more attractive to the audience." insights for my work."

4.2. Fact-checking

"AI assisted in the data verification process, which ensured the credibility of my media content."

sources and monitoring social networks have greatly more attractive to the audience of media consumers." simplified my work and helped to ensure the credibility of material."

"AI tools have become indispensable efficiency in working on case studies." assistants for me in the process of my research, enabling me to effectively monitor the spread of features, allowed me to quickly and easily create statements in social networks and identify potentially professional interactive videos to present my inaccurate information. The analytical capabilities of investigative journalism on social media." the AI tools helped me to engage more deeply in the context of the topics discussed and ensure the 4.4. Distribution of Digital Media Content accuracy of my materials."

"AI tools allowed me to effectively verify the authenticity of media data and detect fabricated effectiveness of online materials. With its content content. The cross-modal validation analysis analysis and optimisation capabilities, AI has helped capabilities have greatly simplified my work and me create more relevant and competitive content." helped to ensure the accuracy and reliability of the published materials."

efficiently check the authenticity of visual content of creating content attractive to media consumers from various sources. Its ability to reverse image much easier." search, analyse metadata and track changes over time has greatly simplified my work in verifying photo broadcasts. In addition, by supporting a variety of and video content."

4.3. Creation and Editing of Interactive Media audience engagement and interest." Content

ideas and receive information on demand, media content consumers." significantly speeding up my work and improving the quality of my work"

"The AI capabilities for generating reviews have greatly accelerated my work, and the support of "AI tools greatly simplified the process of many languages helped to effectively interact with

> "AI made it possible to edit images quickly visual content of my materials, making them more

> "AI tools allowed me to quickly create communicate the results of my research to the

"The AI function of creating images on

"AI tools allowed me to create realistic voiceovers for videos and podcasts, greatly improving the presentation of information.'

"AI tools, with their ability to use readymade templates, have greatly simplified the process "The possibilities of AI for analysing of presenting information and made media content

"AI functions for converting video, audio and speech to text allowed me to achieve high

"AI-based video editors, with their real-time

"AI tools allowed me to improve the

"AI has become useful for me in the process of analysing and optimising content on YouTube. Its "AI tools made it possible to quickly and powerful analytical functions have made the process

> "AI allowed me to improve the quality of live content, AI has enabled the creation of engaging and interactive materials that have significantly increased

"With its social media audience analytics capabilities, AI has allowed me to more effectively "AI tools allowed me to quickly generate adapt my strategies to the demands of my audience of

> "AI functions for planning and automating publications have greatly simplified the process of



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creating and distributing materials, which made it possible to focus on the creative aspects of research."

Upon completing the Artificial Intelligence and Interactive Media Communication course, students had the opportunity to assess their progress in acquiring interactive communication skills. The results of students3 self-assessment of progress in acquiring these skills are presented in Appendix D, Table D.1. According to 95% of respondents, training on the course contributed to the maximum development of multimedia skills. A total of 91% of students reported making significant progress in research skills, while 87% indicated improvements in project management skills. In general, 85% of respondents noted the development of digital skills, 83% — operational skills, and 81% — analytical skills. In addition, 96% of surveyed students stated that they had made absolute progress in communication skills. Furthermore, 94% of students noted a significant development of creativity, 92% the ability to work in a team, 80% - orderliness, 79% - flexibility and adaptability, and 92% - the ability to set priorities. These results emphasise the high efficiency of the course in building students' key competencies.

The participants of the additional group had the opportunity to actively interact with the authors of media content during the educational experiment. They could participate in discussions and forums on social networks, as well as participate in polls and votes related to the issue under research. The authors of interactive media content engaged participants in discussions with the help of interactive maps, graphs and timelines, which contributed to a deeper understanding of the material. In addition, the group of consumers of media content had the opportunity to attend online broadcasts and video conferences. Interaction with authors of media content on digital platforms was a positive experience for the participants of the additional group. The evaluation of the experience of interaction in the digital media space by the participants of the additional group is presented in Figure 2.



Figure 2: Evaluation Of The Experience Of Interaction In The Digital Media Space By The Participants Of The Additional Group Source: created by the author

The survey results showed that interactive communication in the digital environment left a positive impression on the respondents. Content authors were able to inspire the audience, engage in interactive cooperation, arouse interest and admiration. Interactive content has become a valuable, intriguing, and stimulating source of new knowledge. The respondents rated their experience as creative (9.7 points), exciting (9.5 points), informative (9.3 points), interesting (8.9 points), inspiring (8.8 points), intriguing (8.5 points), stimulating (8.1 points). The survey results give grounds to claim that interactive content significantly increases the quality of digital communication, making it more exciting and informative for the audience. It not only provides a valuable exchange of knowledge, but also promotes active interaction, which in turn stimulates creativity, interests, and inspires users. This emphasises the importance of an interactive approach in creating content that meets the modern requirements and expectations of the audience.

5. **DISCUSSION**

The survey results showed that interactive communication in the digital environment left a positive impression on the respondents. The content authors were able to inspire the audience, engage in interactive cooperation, arouse interest, and admiration. Interactive content has become a valuable, intriguing and stimulating source of new knowledge. Respondents rated their experience as creative (9.7 points), exciting (9.5 points),

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informative (9.3 points), interesting (8.9 points), terms of emotions and information. Therefore, it is inspiring (8.8 points), intriguing (8.5 points), important to understand the specifics of the stimulating (8.1 points). The survey results gives consumer's response to media content transferred grounds to state that interactive content significantly with the help of these new technologies and media increases the quality of digital communication, formats, and realise the role of immersive media in making it more exciting and informative for the more comprehensive and long-term social changes. audience. It provides a valuable exchange of The researchers [41] concluded that the expected knowledge and promotes active interaction, indicators of consumer engagement, implemented stimulating creativity, interests, and inspires users. gamification methods and interactive communication This emphasises the importance of an interactive elements should be designed at the early stages of approach in creating content that meets the modern media content planning, allowing mediators to use requirements and expectations of the audience.

media communication significantly transforms the showed that the tools for implementing an interactive approach to collecting, analysing, and distributing approach in the media segment are quite developed, information. AI provides guick access to data from but far from trivial to use. Effective implementation various sources, accelerating the research and of the interactive communication approach requires material preparation process. Information verification resources, skills, and a responsible attitude toward capabilities make it possible to guarantee the ethical issues. The findings of the study presented in authenticity of publications, which is especially UNESCO's Handbook for Journalism Educators [43], important in the era of fake news. AI tools help to reveal concerns about AI use in media content detect false statements and track their spread on social distribution. As AI can be used to create realistic networks. Moreover, AI greatly simplifies the stories that are not actually true, there are fears that creation and editing of interactive content, improving this could lead to consumers of media content being the visual appeal of materials. The generation of audio misinformed. Another concern is the possibility of and video with the help of AI enables delivering using AI to control publications. AI can be applied to media content to the audience more effectively, identify and prioritise the most popular stories on Optimising content using AI analytics makes it more social media. This can lead to a biased and one-sided relevant and competitive. Automation of publications presentation of news, negatively affecting the quality and scheduling facilitates more effective distribution of information available to the audience. In our of materials.

the findings of the study involving media industry students towards using AI in various forms of representatives from the United States, the United interactive communication. Emphasis was placed on Kingdom, and Germany, as well as international the importance of using AI services to verify the experts from industry, academia, technology, and authenticity of information during the development of policy sectors. It was proved that AI contributes to interactive media content. The authors highlight the increasing the efficiency and productivity of the significance of training in developing ethical media business due to the possibilities of accelerated awareness, information search, idea generation, fact-checking, knowledge, and media literacy among future media data analytics, audio and video transcription and professionals. translation, text editing, adaptation to Internet media formats, content tagging, audience analytics, and the advantages of using artificial intelligence personalisation [39].

benefits of AI in the process of distributing digital mediators. However, it is important to recognise that media content. AI is able to create relevant and using AI in the media sphere comes with benefits and competitive content through its content analysis and risks. The prospects for our future research involve optimisation capabilities. Analytical functions greatly examining the ethical issues surrounding the use of AI facilitate the process of creating materials that can in interactive media communication, specifically: attract the audience's attention. The results of the information distortion and loss of objectivity, study [40] showed that immersive VR-based media generation of misleading information, copyright consumption is able to provide a deeper emotional issues, and the decline in the quality of journalistic impact, as well as internalise information. Immersive work due to automation. Addressing these issues will media enables conveying content more excitingly in enable us to effectively harness the advantages of AI

gamification's emotional potential. The results of the This research showed that the AI use in study of interactive media communication [42], educational experiment, special attention was given to The results of this study are consistent with fostering a responsible and ethical attitude among critical thinking, technological

The results of our research have highlighted technologies in developing interactive The results of this research demonstrated the communication skills among students-future

without compromising the quality of media 6.1. Research Limitations communication. Finding a balance between The study's main limitations are the narrow territorial innovation and ethics is crucial to maximise the framework of the educational experiment, which benefits of AI for society while minimising potential covered students of only one higher educational threats.

CONCLUSIONS 6.

communication radically transforms content creation experience. The potential for AI to implement various and distribution approaches. AI creates new forms of interactive communication has not been fully opportunities for interactive media communication in revealed. Further quantitative studies with a larger the digital environment. However, developing users' and more balanced sample are required, which is the responsible attitude, critical thinking, technological literacv requires а pedagogical approach.

developing students' interactive communication skills, which was the basis for carrying out the educational experiment. The results REFERENCES: of the educational experiment demonstrated the potential of AI tools to increase the effectiveness of [1] F. Ioscote, A. Gonçalves, C. Quadros "Artificial implementing interactive forms of communication in the digital environment. Students noted that the use of AI technologies is most effective in such areas of media communication as: creation and editing of interactive media content (4.89 points), its [2] distribution in the digital environment (4.76 points), fact-checking (4.27 points), data collection, and conducting case studies (4.03 points).

Implementing the concept of the development of interactive media communication allowed students to effectively integrate AI tools into their practical activities. Students noted that interaction with AI tools within the educational course contributed to developing key media competencies. According to 95% of respondents, studying on the course enabled developing multimedia skills to the maximum possible extent. A [4] total of 91% of students felt they had made absolute progress in developing research skills, project management skills (87%), digital skills (85%), operational skills (83%) and analytical skills (81%). According to 96% of surveyed students, absolute progress was achieved in developing communication skills. In general, 94% of students noted absolute [5] progress in the development of creativity, ability to work in a team (92%), orderliness (80%), flexibility and adaptability (79%), ability to set priorities (92%). So, implementing the concept of the development of interactive media communication not only increased the level of students' professional skills, but also contributed to the formation of comprehensively developed specialists ready for the challenges of the modern media space.

institution of Ukraine — Taras Shevchenko National University of Kyiv. Because of this, the obtained data are preliminary and superficial, they cannot be considered generalised. The study focuses on student Integrating artificial intelligence into media feedback regarding AI use in their educational and prospect for our further research. Although the study balanced results show certain trends regarding the effectiveness of using AI tools in interactive media communication, The authors presented the concept of they are limited and require further study on a larger media sample and using quantitative analysis methods.

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Creation of an interactive game environment for the development

of hard and soft skills of media communicators

Figure A: The Concept Of Developing Students' Interactive Media Communication Skills Source: Developed By The Author

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AI tools, use in the learning process Course structure ╈ ¥ Module 1. Data Perplexity(https://www.perplexity.ai), SemanticForce (https://semanticforce.ai/), collection and NewsWhip (https://www.newswhip.com/), Audemic (https://audemic.io/), journalistic Dynalist (https://dynalist.io/), Evernote (https://evernote.com/), BuzzSumo investigations (https://buzzsumo.com/) ClaimBuster (https://idir.uta.edu/claimbuster/), TruthNest (https://www.truthnest.com/), Hoaxy (https://hoaxy.osome.iu.edu/), Factmata Module 2. Fact-(http://factmata.com), WeVerify (http://weverify.eu/tools/) InVID checking (https://www.invid-project.eu/), StopFake (stopfake.org.ua) ChatGPT(https://chatgpt.com/), Claude(https://claude.ai/), Google Gemini (https://gemini.google.com/), Photoleap (https://www.photoleapapp.com/), Module 3. Creation Murf (https://murf.ai/), Synthesia (https://www.synthesia.io/), Jasper (https://www.jasper.ai/), Copy (ai https:// www.copy.ai/), AI Trint and editing of (https://trint.com/), Eleven Labs (https://elevenlabs.io/), Descript interactive media (https://www.descript.com/), InVideo (https://invideo.io/), Veed.io content (https://www.veed.io/), Elai (https://elai.io/), Runwayml (https://runwayml.com/), Speechify (https://speechify.com/), Jitter (https://jitter.video/), Boomy.ai (https://boomy.com/) Module 4. MarketMuse (https://www.marketmuse.com/), VidIQ (https://vidiq.com/), Distribution of FineShare (https://www.fineshare.com/), Analisa.io (https://analisa.io/), digital media ContentStudio (https://contentstudio.io/), Hootsuite content (https://www.hootsuite.com/), FlexClip (https://www.flexclip.com/), Sprout Social (https://sproutsocial.com/), Agorapulse (https://www.agorapulse.com/)

Figure B: Structure of the course Artificial Intelligence and Interactive Media Communication

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Number of	Major	Educational programme	Faculty/Institute	
participants				
9	035.01 Philology	Ukrainian language and	Educational Research Institute of	
	(Ukrainian	literature (for foreigners)	Philology	
	Language and			
	Literature)			
17	035.041 Philology	English language and	Educational Research Institute of	
	(German	literature	Philology	
	languages and			
	literatures			
	(including			
	translation)			
19	054 Sociology	Sociology	Faculty of Sociology	
7	061 Journalism	Journalism and social	Educational Research Institute of	
		communication	Journalism	
9	292 International	International	Educational Research Institute of	
	economic	management and	International Relations	
	relations	marketing		
16	051 Economy	Economy and politics	Faculty of Economics	
Total: 77				

Table C: Participants of the educational experiment

Source: developed by the author

Table D: The results of students' self-assessment of progress in acquiring interactive communication skills during the course Artificial Intelligence and Interactive Media Communication

Interactive communication	Rating scale				
skills	1	2	3	4	5
	low	little	noticeable	significant	absolute
	progress	progress	progress	progress	progress
Hard Skills					
research skills		1%	3%	5%	91%
digital skills			3%	12%	85%
operational skills	2%	3%	4%	8%	83%
multimedia skills			1%	4%	95%
project management skills	1%	2%	4%	6%	87%
analytical skills	2%	3%	6%	8%	81%
Soft Skills					
sociability				4%	96%
flexibility and adaptability	1%	4%	7%	9%	79%
creativity			1%	5%	94%
orderliness	2%	2%	6%	10%	80%
prioritisation	3%	4%	7%	8%	78%
teamwork			1%	7%	92%

Source: developed by the author