

## TO STUDY THE ROLE OF ARTIFICIAL INTELLIGENCE TECHNOLOGY IN COMMUNITY RADIO

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### Abstract

The present study investigates the effects and implications of AI (Artificial Intelligence) technology within the community radio domain. The study looks into how AI may improve listener engagement, content development, and overall operational efficiency. It also tries to identify potential advantages and difficulties in implementing AI into community radio stations. Through the examination of case studies and user views, the research seeks to add to the growing conversation about the impact of technology on grassroots media by offering insightful analysis of the changing function of AI in community radio stations. Community radio is changing as a result of artificial intelligence's revolutionary tools and capabilities. Artificial intelligence (AI) algorithms in content development can examine listener preferences to create customized playlists and recommend pertinent conversation topics. AI-powered automated voice assistants improve program interaction by responding instantly and encouraging active audience participation. AI-driven data analytics are also essential for comprehending listener behavior, which helps stations tailor their content to the tastes of their listeners. This improves the user experience while also assisting stations in making data-driven decisions on their content strategy. AI improves operational efficiency by streamlining a variety of procedures, including editing and scheduling. Producers can save time and ensure a polished final result by enhancing audio content with the help of automated editing technologies. AI algorithms can also optimize scheduling by customizing broadcasts to target audiences and taking into account peak listening hours. While there are many advantages to these developments, integrating AI into community radio also presents difficulties such as data privacy issues, moral dilemmas, and the possibility of employment displacement in traditional roles. This study aims to explore these complex issues to provide readers with a thorough grasp of how artificial intelligence is changing and affecting community radio in the modern era.

**Keywords:** Artificial Intelligence, Community Radio, AI Tools, Radio.

### Introduction

The media landscape is changing quickly in the future, moving away from outdated theories of communication and towards new ones that blur the lines between different media platforms. This essay discusses the evolution of AI and how it has affected the communication technology sector as a whole. In place of many platform screens, this study provides a technologically advanced platform that reflects

the integration of media into one screen. In addition to discussing the difficulties and worries associated with new jobs rather than the novel capabilities and aspects of the future as well as the expertise of community radio as smart radio as a final business model, the study addresses the implementation of AI and the way it may assist audience members in interacting with community radio stations.

Algorithmic procedures artificial intelligence (AI) platforms as well & and natural language

processing techniques are used in automated journalism to generate news material automatically (Carlson, 2015; Montal & Reich, 2017). This AI-powered technology has made it possible for automated journalism to create news content in a way that was previously mostly done by humans in the classic news industry. By 2025, over ninety percent of news material will be computer-generated, according to a 2012 prediction made by Kristian Hammond, the co-founder of Narrative Science (Levy, 2012). Newsrooms are already heavily reliant on automated journalism, even though this prognosis may not hold water. Journalists utilize AI technologies for a variety of jobs, such as text-to-speech, image recognition, and summarising, which results in automated tagging and subtitles, according to research from the Reuters Institute. This study shows that 67% of newsrooms utilize AI in some capacity; 23% use it frequently, 5% incorporate it heavily into their work, and only 27% do not use it at all (Newman, 2023). We have chosen radio as the media medium for this investigation. Since radio serves as an auditory-based medium, it offers the chance to use a variety of AI tools, including text generation and voice recognition. Furthermore, the medium's nature restricts the impact of visual distractions like the media worker's appearance, nonverbal clues, or visual illustrations, and enables listeners to be the only ones who receive information. An adequate framework for researching the application of AI in radio transmission is provided by these radio-specific features.

The use of software and computer systems to simulate intelligence to speed up and improve the accuracy of processes is known as artificial intelligence (AI). Throughout the past few years, computer science has advanced significantly and is now used by an increasing variety of businesses. Next up could be radio broadcasting, as advancements in AI might have an impact on how radio is broadcast. Over the years, radio has experienced intense competition as listeners have shifted to other channels, particularly the growing popularity of

podcasts. To stay relevant and popular, radio has had to adapt to keep up with trends. The development of artificial intelligence may offer the radio business a means of sustaining its global reach and audience base. Since the advent of podcasts, online radios, and music-streaming services like Apple Music, Spotify, Prime Music, and others, traditional radio has been less popular, especially with younger listeners. Despite this, radio continues to be a mass communication medium that has expanded its listenership while maintaining its traditional format.

### **Review of Literature**

According to Radio Today, Artificial intelligence (AI) has numerous uses in a variety of sectors, including radio broadcasting. Selecting the music along with content that listeners wish to hear is one such use. An artificially intelligent system could take charge as a producer and choose the songs that perform best, but a human DJ cannot be replaced. This technology is indeed already in use. While there are several machine learning and artificial intelligence tools available to assist in the writing of music, the final product's quality is subjective, and the tastes of the audience still need to be taken into account when selecting what to perform.

Additionally, signal strength might be increased via artificial intelligence, which would make it simpler for consumers to listen to their preferred radio programs wherever they are. An algorithm that can adjust the transmission frequency in real-time as it responds to different elements of the signal approaching the transmitter is created using artificial intelligence (AI). New technologies have the potential to drastically alter radio's future from what it is today, including how radio broadcasts are carried out. The ultimate goal is to improve the listening experience for patrons, enabling them to take advantage of their favorite shows and expanding the reach of radio. AI has the potential to be the solution to many issues, so its application in the radio transmission sector shouldn't be disregarded. The radio is a kind of

warm mass communication that is referred to as a "voice" that travels without physical barriers or hindrances. Through the radio, the listener is exposed to media messages that are perceived by the ears as voices and are influenced by the delivery of voice and the distinctive spontaneously. The radio is a universal medium of communication; it does not require education, and those who are illiterate—that is, do not read or write—always prefer it. We may hear the radio anyplace. Some people may find it difficult to imagine the significant changes to the radio industry, which is the topic of this research on radio as a media station. Thus, if we can demonstrate this on radio, it will also be evident in all other media outlets, (Dr. Hassan Mustafa, 2019).

Certain business experts believe artificial intelligence (AI) is capable of selecting information that users are interested in hearing. Others, on the other hand, argue that the human producer plays a crucial role in both content selection and DJing. The key to producing content for the radio, according to Brian Kamisky, the president of Revenue Operations & Insights at iHeartMedia, is to create an experience that connects with listeners & and keeps them engaged, informed, and wanting to hear more. AI ought to be applied responsibly, preserving and advancing human aspects. While iHeartMedia employs algorithms to choose what songs to play and what content combinations to schedule, people still have the last say over what is broadcast. Numerous machine learning and artificial intelligence tools are available to help in musical composition, but the final product's quality is subjective, and human approval is still needed to determine what the general public wants to hear.

Will the conventional radio be able to be replaced by all these technological advancements? Traditional radio seems to be unassailable despite all the advancements. "It is analogical, I understand, but it is the king of broadcasting, not solely in Spain but in Europe," said Isaac Moreno, the president of Hybrid Radio

station Forum, during BITAM 2018. Several factors include its widespread use, ease of use, confidentiality, safety, whole distribution chain management, and lack of cost. Numerous experts concur that while artificial intelligence and emerging technologies can greatly enhance and innovate radio, human presence remains crucial in this medium for building empathy and establishing a connection with the listener.

### **Artificial Intelligence (AI) Influence on Radio**

It remains to be seen what kind and how much of an influence artificial intelligence (AI) will have on the field of radio in the future. Here are a few possible ways AI can impact radio:

- **Personalisation:** AI algorithms can produce customized radio experiences for each listener by analyzing their listening preferences and habits and making recommendations and content that is more relevant to them.
- **Content Creation:** Radio stations may create and distribute content more easily and affordably by using AI to create new radio content, which includes news, music, and sports updates.
- **Ad targeting:** By using the listener's location, demographics, and other information, AI can be utilized to more effectively target and deliver radio ads.
- **speech Recognition and Control:** AI-powered speech recognition and control, which enables listeners to engage as well as control their radio via spoken commands, is expected to become an increasingly significant part of the radio experience with the rise of smart speakers & and voice assistants.

Although artificial intelligence (AI) has a lot of potential benefits for radio commerce, there are worries about how it can affect jobs and the significance of human content providers in the sector. It's also critical to keep in mind that AI algorithms have the potential to reinforce prejudices and power systems, therefore care must be taken to guarantee that they are developed and utilized. It is challenging to

forecast with precision what will occur to AM, FM, & and DAB radio formats in the future. Still, a few possible outcomes are as follows:

- Evolution and Adaptation: Conventional radio formats could change and adapt to reflect shifting consumer preferences and technological advancements by adding online and digital components to their programming, for instance.
- Specialized Audiences: FM and AM radio might still be useful for certain types of listeners, especially those who enjoy local, live programming.
- The decline in appeal: Traditional radio formats might experience a decline in appeal, particularly among younger viewers, as streaming services along with other digital alternatives gain traction.
- Hybrid Models: To stay current and remain competitive in an expanding digital media market, traditional radio may evolve towards hybrid models that combine traditional as well as digital features.

The future of conventional radio formats will ultimately depend on several variables, such as customer preferences, technical developments, and the decisions made by specific radio stations and networks.

### **Radio GPT**

Furthermore, it has been trained to be knowledgeable about every detail there is to know about the music your station plays, so it may additionally introduce new songs and offer trivia as needed. Large radio operators in the US and Canada are now testing the RadioGPT beta, and based on early evaluations, it appears to be working quite well. Reawakening worst-case worries about the future of actual human radio jobs—regardless of your opinion of RadioGPT's humanoid talent—is a feat sufficiently accomplished. Futuri, which has collaborated with major companies such as Tribune Publishing and iHeartMedia, claims that its "new and revolutionary product" includes several tools: Futuri's TopicPulse app offers an automated method of searching through

media sources and selecting pertinent stories for coverage. GPT-3, on the other hand, is a large model of language that powers the popular chatbot ChatGPT. Finally, Futuri created A.I.-voice "personalities" that can be trained with the information that TopicPulse scrapes and GPT-3 aggregates to read pre-written copy live on air. Furthermore, it has been trained to be knowledgeable about every detail there is to know about the music your station plays, so it may additionally introduce new songs and offer trivia as needed. Large radio operators in the US and Canada are now testing the RadioGPT beta, and based on early evaluations, it appears to be working quite well. Reawakening worst-case worries about the future of actual human radio jobs—regardless of your opinion of RadioGPT's humanoid talent—is a feat sufficiently accomplished.

### **On community radio, ChatGPT assists aspiring authors in discovering inspiration**

Artificial intelligence is being used in a California community radio program to help fiction writers become more creative. During the pandemic, the goal of the Gualala, California-based KGUA Writers radio program, which debuted in 2020, was to foster community via creative writing. Co-host Mark Sanford Gross of the show took a novel approach by integrating ChatGPT, an artificial intelligence platform, into the writing process, realizing the importance of human interaction. ChatGPT takes prompts from listeners and turns them into short stories, inspiring those who might not think of themselves as writers. Participants have responded incredibly positively, thanking the AI tool for helping to spark their creativity and provide fresh insights into their ideas. This initiative breaks down barriers for people who are self-conscious about their writing skills by showcasing the potential of AI to inspire artistic expression and promote community involvement. The show's inaugural edition with ChatGPT debuted on January 30 (Isabelle Kravis, 2023).

### **The first AI-driven RJ in Kerala is playing music on an FM station**

According to the article published in The New Indian Express, 2023, One prominent example of how community radio stations are integrating artificial intelligence, AI into their programming is the introduction of AI-generated radio jockeys, typified by "RJ Gregory," on Sargakshetra 89.6 FM community radio station in Mannanam, Kottayam, Kerala. The station's goal to investigate how AI might improve listeners' radio experiences is reflected in this initiative. The following are some salient features of the data supplied:

- Overview of RJ Generated by AI: The very first community broadcasting network in Kerala to use artificial intelligence in its programming is Sargakshetra 89.6 FM, which debuted RJ Gregory, an AI-generated radio host.
- Trial Basis and Creative Method: AI is being used in radio on an experimental basis, specifically in the shape of an AI-generated RJ. The station combines traditional radio presenting with state-of-the-art AI technology in an attempt to give its listeners a new and original experience.
- A managing director's viewpoint: Fr. Alex Praikalam, the radio station's managing director, claims that the pervasive influence of artificial intelligence in a variety of industries played a role in the decision to investigate its application in radio broadcasting. The intention is to improve the whole radio experience by utilizing AI in conjunction with traditional human radio jockeys.
- Limitations and Program-Specific Focus: Although RJ Gregory is experimenting with AI, some limitations are acknowledged. Programs that involve direct audience engagement, for example, could need a more sophisticated setup and might not be possible with the technology available today.
- AI Professionals and Youth Engagement: RJ Gregory is the result of a team effort among young people who have been following the latest AI technology breakthroughs and a team of AI professionals. This partnership serves as a

prime example of the multidisciplinary strategy for incorporating AI into conventional radio programming.

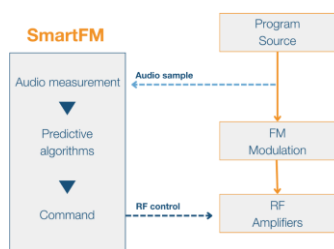
- Adaptation to Developing Times: Sargakshetra 89.6 FM presents itself as a company that values change and strives to keep up with the latest developments in technology. The station expects to see more uses of AI in a variety of industries, including media companies, and views its integration as a component of a larger technological revolution.
- Prospects for the Future: According to the managing director, implementing AI in radio is a first step towards a wider rollout in media companies. The station plans to investigate further AI uses in the future and is putting itself in a position to lead technological development. To meet the evolving expectations of their listeners, community-based radio stations are utilizing AI to experiment with blending traditional broadcasting with contemporary technologies.

### **10 AI-Powered Radio Tools**

#### 1) WORLDCAST SYSTEMS

While the potential influence of generative AI on creative work is receiving attention, AI is already being employed in portions of the airchain behind the scenes. WorldCast Systems' Eceso transmitters, which have power outputs ranging from 100 Watts to 10 kW, come equipped with a technology known as SmartFM.

"Without sacrificing sound quality or coverage, SmartFM allows broadcasters to save up to 40% on energy costs for their FM transmission—a reduction that also includes lower CO2 emissions and electricity costs," stated Gregory Mercier, head of product marketing. He claimed that a 10 kW FM employing an Eceso transmitter with SmartFM, as opposed to an existing transmitter with 55% efficiency, could save 824 MWh over ten years.



Based on content qualities and coverage limits, the program forecasts how humans would perceive audio quality. SmartFM dynamically adjusts the RF output strength under the broadcast content after a psychoanalytic algorithm certifies the audio content's resilience to disturbances.

There are three steps for the AI. It begins by classifying and breaking down the content using a statistical method. According to Mercier, "this phase relates to gathering and analyzing of huge amounts of data, our 'big data.'" This made it possible for WorldCast to compile an audio material library categorized by signal properties and the effect on the listener's acoustic experience. After that, the technology implements content detection using a probabilistic technique and automates RF management using a deterministic approach.

Here are the other names of AI tools:

- 1) SUPER HI-FI
- 2) FUTURE MEDIA
- 3) WAYMARK
- 4) RADIO.CLOUD
- 5) RADIO WORKFLOW
- 6) SUITELIFE SYSTEMS
- 7) VERITONE
- 8) ADTHOS
- 9) ENCO

### **Objectives**

1. To research the way community radio uses artificial intelligence technology.
2. Evaluate the Effects of AI on Target Audience Engagement and Content Personalisation.
3. Examine the Possibilities and Difficulties of Using AI in Community Radio.
4. Examine the Ethical Consequences of AI for Community Radio.

5. Make Suggestions for Community Radio's Effective AI Integration.

Secondary sources were utilized as well for the research paper that was presented. Data is gathered via several authorized websites on the web. These web pages served as reference material. The research study that is being given examines data from both primary and secondary sources.

### **Utility of the study**

Research on artificial intelligence (AI) technology's function in community radio offers a significant contribution to both theoretical knowledge and real-world applications. This in-depth investigation explores the complex relationships that exist between artificial intelligence (AI) and community radio, providing insight into how these technologies affect content production, audience participation, and the general operation of community-based radio. Beyond scholarly domains, the study contributes to policy and regulation development by emphasizing the necessity for privacy protections and ethical standards when integrating AI into the community radio industry. In addition, community radio practitioners can use the useful suggestions derived from this study as a roadmap to help them enhance content delivery, streamline operations, and build closer relationships with local listeners. The project intends to guarantee that technical improvements in community radio support inclusivity and diversity, minimizing unintentional biases, by addressing ethical questions related to AI. All things considered, the research advances media studies & and communication discourse while also stimulating innovation in the community radio industry by pushing stations to adopt new technologies to create a more dynamic and adaptable broadcasting environment.

### **Limitations of the study**

The present research paper has certain limitations. It is the study that concentrates mainly on community radio with artificial

intelligence, which can result in negative as well as positive outcomes due to the lack of officially documented authorized data. It is an in-depth representation of one part of radio and electronic media that is provided in aspects of this research paper. The shortage of prior research on artificial intelligence in community radio makes it difficult to develop a solid theoretical framework and make insightful comparisons with related studies. Furthermore, because of its intrinsic complexity, the investigation of human factors—such as the part operators along with community members play in helping AI adapt—may not go as far as it could. Because AI technology is dynamic, there are temporal concerns to take into account. Research may become dated quickly due to rapid improvements in technology. Finding a balance between qualitative and quantitative information can be difficult, which could have an impact on the analysis's breadth and depth. Finally, the limited integration of artificial intelligence (AI) in some community radio stations may limit the study's scope and make it more difficult to make general conclusions about AI's involvement in community radio as a whole. This research paper has limited data on community radio stations and how they are using artificial intelligence for their benefit and moving with this technology in society. This research paper has the data and the variables at a global level, and it talks about only a few perspectives and how artificial intelligence is connected with radio, especially community radio, with its advantages and disadvantages. This research study revolves around what the plans and steps are to boost the world of artificial intelligence and how community radio is adopting it. It also includes information about a few community radio stations that have already adopted this artificial intelligence technology and are moving forward with the same speed.

### **Research question**

6. What uses of artificial intelligence technologies do community radio stations have

at present in their day-to-day operations and programming creation?

7. How much of an influence does artificial intelligence have on the efficacy and efficiency of community radio programming, audience engagement, and content creation?

8. How does artificial intelligence support or contradict community radio's long-standing practice of community involvement, and how do locals react to these developments?

9. How much does the constantly changing field of artificial intelligence technologies demand that community radio staff members undergo continual training and capacity-building programs, and how do these programs help ensure the successful incorporation of AI?

### **Hypothesis**

1. H<sub>0</sub> – There is no significant usage of artificial intelligence in community radio.

2. H<sub>1</sub> – There is a significant usage of artificial intelligence in community radio.

### **Research Methodology**

#### **Research Approach**

This study used both quantitative and qualitative research approaches. This is a study of metrology making observations and reading all relevant research papers and articles from reputable sources. The data is collected by reading many research publications, reviewing articles, and little details to acquire all the data and information. For this message paper, primary and secondary sources are used.

#### **Research Method**

A mixed-methods design for research, incorporating qualitative as well as quantitative methods, is used in this study. The combination of these techniques enables a thorough investigation of the various facets related to artificial intelligence technology's function in community radio. In this study, references were based on belated material published in multiple publications as well as official websites. That is demonstrated in the research article through an examination of information green from poles and websites. Also, it is based on a few scholarly

works, the study used content analysis and service which is a quantitative and qualitative method.

**Research Tool**

1. Surveys and scholarly periodicals have been used.
2. Examined important data and content analysis from reputable websites.
3. Examine current records, papers, and content generated by community radio stations to comprehend the background information and the function of artificial intelligence in content production.

**Sampling Plan**

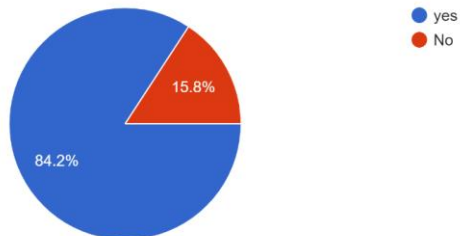
In this research paper, convenience sampling of non-probability sampling has been used. It enables us to find data easily and within the time frame.

**Findings**

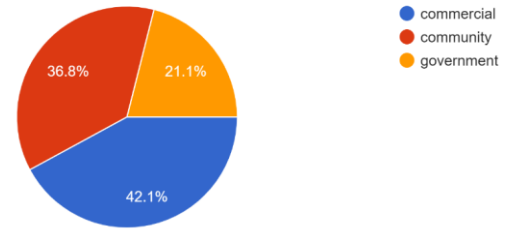
I did my surveys for two different types of target audiences, that is one for the general opinion of various professionals and students and the second, is for those professionals who have experience and expertise as a programmer and as radio jockeys in radio stations.

1. Here are the results of my target audience between age group 18-35, general opinion, and their views.

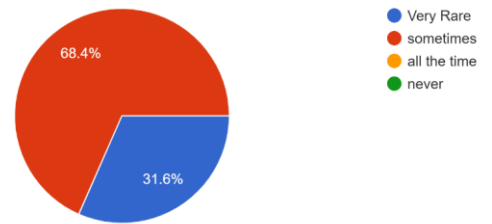
Are you familiar with the concept of community radio?  
19 responses



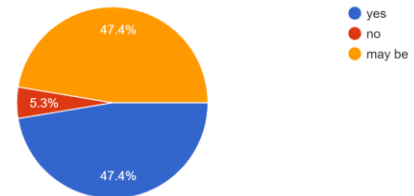
Which kind of radio you listen ?  
19 responses



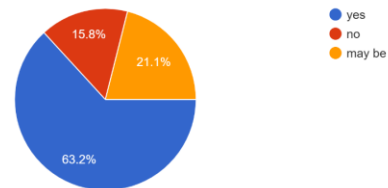
How often do you listen to community radio stations?  
19 responses



In your opinion, does the integration of AI in community radio impact the quality of the content produced?  
19 responses

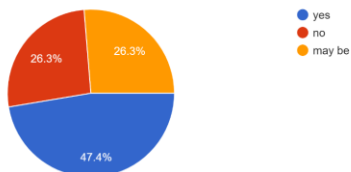


Do you believe that AI technologies contribute to or challenge the representation of diverse voices and communities in community radio?  
19 responses

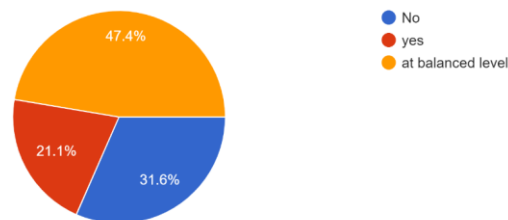




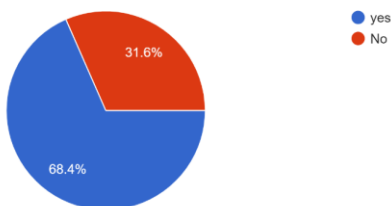
Do you think the use of AI in community radio or commercial radio makes content more accessible to a wider audience?  
19 responses



Are you in favor of use of AI in any type of radio?  
19 responses



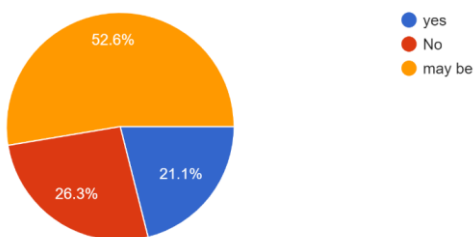
Do you feel that AI technologies enhance or hinder community engagement through community/commercial radio?  
19 responses



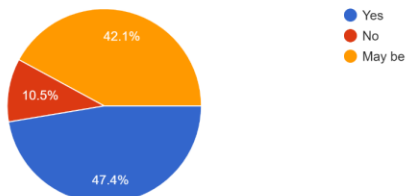
i. How do you envision the role of AI evolving in community/commercial radio in the future?

= The following is a succinct overview of the responses concerning the use of AI in community and commercial radio.

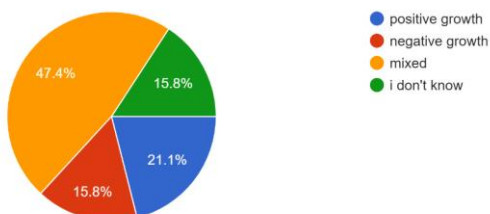
According you is it safe to use AI in radio?  
19 responses



Do you think AI is dangerous and concerning as it kills creativity and increasing layoffs?  
19 responses



AI in radio is impacting as?  
19 responses



- Voice Representation:** The ability of AI to represent voice is seen favorably, implying that it can improve the auditory experience as a whole.

- Safety Concerns:** A few people have expressed worries over the dependability and safety of AI in radio operations.

- creative promise:** AI's adaptability beyond technical tasks is demonstrated by its acknowledged promise for creative uses in radio.

- Difficulties:** It is acknowledged that obstacles like language limitations and preserving human authenticity must be overcome to integrate AI into radio.

- Enhancing the Listening Experience:** Everyone agrees that interactive components, automated programming, and personalized recommendations from AI can enhance the listening experience.

- Creativity and Human Control:** It is stressed that although AI can improve the sector, human judgment and originality in content development are still necessary for success in the long run.

- Potential Audience Impact:** Some voice worries that, if not handled appropriately, the introduction of AI can cause the audience to lose interest.

- Future Role:** AI is expected to play a significant role in radio to promote positive growth, disseminate significant messages, and

improve accessibility.

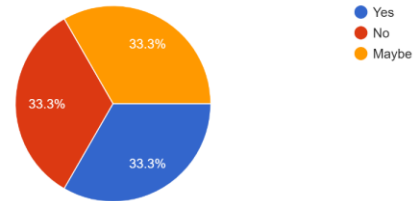
- **Total Acceptance:** Reactions range from cautious optimism to skepticism, reflecting a wide spectrum of viewpoints regarding AI's application in the radio sector

2. Here are the findings from radio experts :

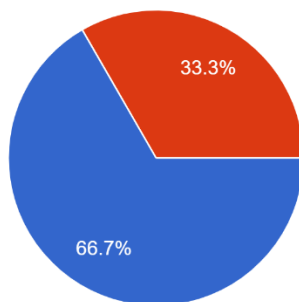
1. RJ ABHISHEK- RADIOCITY, DELHI  
- SHOW NAME: DELHI BAZAAR, 4-5 PM EVERY SUNDAY
2. COPYWRITER APOORVA SHUKLA – BUMPER TO BUMPER
3. RJ TANYA GOEL- AMITY RADIO, COMMUNITY RADIO  
-SHOW NAME: KHUSHIYON KI TAXI, EVENING SHOW

Findings

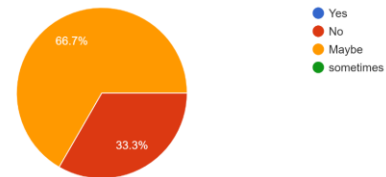
Do you believe that AI can enhance audience engagement and interaction with radio content?  
3 responses



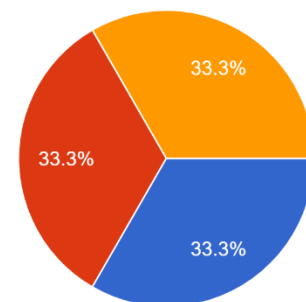
How much you use AI for your show making process?  
3 responses



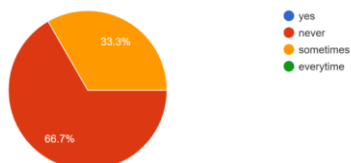
Do you think AI technologies contribute to personalizing content for diverse audience segments?  
3 responses



Is use of AI in radio is an ethical practice ?  
3 responses



Are you currently using any AI technologies or tools in your radio programming and content creation?  
3 responses



i. What are your primary concerns or challenges regarding the integration of AI in radio?

= Based on the answers, the following are the main issues and difficulties with integrating AI into radio:

**1. Emotions along with People Connect:**

Two crucial components of radio broadcasting that AI may find difficult to achieve are evoking listeners' emotions and building a sincere connection with them.

**2. Preserving Human Touch:** Keeping artificial intelligence (AI) enhanced content human while preventing it from becoming unduly robotic or impersonal.

**3. Content Bias & Authenticity:** Handling AI algorithmic biases that could impact content curation while making sure the material stays true to itself and is relevant to the viewership.

**4. Privacy as well as Ethical Concerns:** Handling potential privacy problems about the gathering and use of data, as well as ethical difficulties in the production and dissemination of AI-driven content.

ii. How do you envision the role of AI evolving in radio in the next 5-10 years?  
= Based on the comments, the following is how we see AI's role in radio changing over the next five to ten years:

**1. Focus on People Connect & Emotions:** Despite obstacles, AI may develop to more effectively perceive and express emotions, strengthening its function in promoting deep connections with listeners.

**2. Content Development:** AI will probably concentrate on improving playlist personalization, content curation, production task automation, and possibly even show hosting with dynamic audience preference adaptation.

**3. Finding a Balance between humans and AI:** Radio pros may need to find a way to combine AI-powered efficiency with a

human touch to provide personalized and interesting material that maintains emotional resonance and authenticity.

**Conclusion**

An examination of the use of AI (artificial intelligence) in community radio stations has shown that it has an impact on many features of the medium, both positively and negatively.

Positively, AI has greatly improved community radio's ability to create content. Algorithms can create customized playlists based on listener preferences, increasing audience pleasure and engagement. Real-time interactions are made easier by automated voice assistants, which boost audience participation and program interactivity. AI-driven data analytics can give stations insightful information about listener behavior, which they may use to improve audience reach through programming.

However, there are also significant drawbacks and adverse effects of AI in community radio. Data privacy and algorithmic biases have been brought up as ethical issues that need to be carefully considered and regulated. Additionally, as AI replaces human labor in traditional roles with more efficient ones, jobs in traditional roles may be lost.

The overall effect of artificial intelligence (AI) on community radio stations is revolutionary, notwithstanding these difficulties. It makes it possible for stations to provide their listeners with more relevant and personalized content, enhancing the listening experience as a whole. Going forward, realizing the full potential of artificial intelligence in community radio will require a well-rounded strategy that tackles the advantages while reducing the risks. To secure the ethical deployment of AI and optimize its beneficial effects on this essential communication medium, ongoing study, and discourse must continue.

**References**

- <https://radio.co/blog/future-of-radio>
- <https://radiotoday.co.uk/2022/08/how-artificial-intelligence-can->

[change/#:~:text=Using%20AI%20in%20Radio%20Broadcasting&text=One%20potential%20application%20is%20in,technology%20is%20already%20in%20use.](#)

3. <https://www.amity.edu/gwalior/jccc/pdf/jccc%20june%202019%20final-6-12.pdf>

4. [https://www.researchgate.net/publication/377438573\\_AI\\_IN\\_RADIO\\_THE\\_GAME\\_CHANGER\\_YOU\\_DID\\_NOT\\_HEAR\\_COMING](https://www.researchgate.net/publication/377438573_AI_IN_RADIO_THE_GAME_CHANGER_YOU_DID_NOT_HEAR_COMING)

5. <https://telefonicatech.com/en/blog/the-radio-getting-smarter-everyday-thanks-to-artificial-intelligence>

6. <https://www.timescolonist.com/local-news/community-radio-stations-across-canada-talk-shop-on-ai-at-sidney-summit-8153859>

7. <https://www.newindianexpress.com/states/kerala/2023/Apr/17/on-air-fm-station-has-keralas-first-ai-driven-jockey-calling-the-tunes-2566597.html>

8. <https://www.wionews.com/technology/end-of-rjs-radiogpts-ai-generated-radio-jockeys-to-start-reading-news-570381>

9. <https://slate.com/technology/2023/03/radiogpt-artificial-intelligence-dj-future-interview.html>

10. <https://current.org/2023/03/chatgpt-helps-would-be-writers-find-inspiration-on-community-radio/>

11. <https://www.radioworld.com/tech-and-gear/products/10-ai-based-tools-for-radio>

12. [https://www.researchgate.net/publication/343164506\\_Artificial\\_Intelligence\\_AI\\_in\\_Journalism\\_Is\\_Bangladesh\\_Ready\\_for\\_it\\_A\\_Study\\_on\\_Journalism\\_Students\\_in\\_Bangladesh](https://www.researchgate.net/publication/343164506_Artificial_Intelligence_AI_in_Journalism_Is_Bangladesh_Ready_for_it_A_Study_on_Journalism_Students_in_Bangladesh)

13. [https://www.researchgate.net/publication/361280959\\_The\\_Usage\\_of\\_Artificial\\_Intelligence\\_in\\_Journalism](https://www.researchgate.net/publication/361280959_The_Usage_of_Artificial_Intelligence_in_Journalism)

14. [https://www.researchgate.net/publication/379520245\\_Research\\_on\\_the\\_Application\\_of\\_Artificial\\_Intelligence\\_and\\_Big\\_Data\\_Technology\\_in\\_Financial\\_Fraud\\_Detection](https://www.researchgate.net/publication/379520245_Research_on_the_Application_of_Artificial_Intelligence_and_Big_Data_Technology_in_Financial_Fraud_Detection)