



INTERNATIONAL JOURNAL OF CREATIVE RESEARCH THOUGHTS (IJCRT)

An International Open Access, Peer-reviewed, Refereed Journal

A Study On Impact Of Artificial Intelligence On Youth's Of Tumkuru City.

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Abstract: Artificial intelligence is increasingly shaping the lives of today's youth influencing how they learn, work and interact socially this paper explores the multifaceted impact of artificial intelligence on the new generation through a comprehensive review of literature and empirical analysis. It examines how AI is transforming education by enabling personalised learning and equipping students with skills relevant to future workforce. The study investigates the impact of artificial intelligence technology's on youths learning process and academic performance with a focus on that perceptions and the challenges associated with AI adoption. The findings reveal that AI offers significant benefits including improved academic outcomes and enhanced students engagement. This study focuses on examining the impact of artificial intelligence on the youths of Tumkuru City by analyzing their awareness, usage patterns, perceived advantages, and challenges associated with AI technologies. The research aims to provide insights that can help educators, policymakers, and society ensure that AI is used responsibly and effectively for the overall development of young individuals.

I. INTRODUCTION

Artificial Intelligence (AI) is transforming the modern world by introducing intelligent systems capable of performing tasks that traditionally required human intelligence. Youths are highly influenced by AI-based applications such as social media algorithms, online learning platforms, chat boats, virtual assistants, gaming technologies, and automated tools. In a growing city like Tumkuru, technological development and digital exposure among young people are increasing rapidly. Students and working youths actively engage with AI tools for academic learning, entertainment, career planning, and daily communication. AI-driven systems are shaping the attitudes, behaviour's, and aspirations of the younger generation. The impact of AI on youths can be both positive and negative, depending on how these technologies are used.

II. STATEMENT OF THE PROBLEM.

Artificial Intelligence offers many benefits, its rapid growth has also created several challenges for young people. Youths often rely heavily on AI tools for learning, problem-solving, and daily tasks..AI-based communication reduces face-to-face interactions. AI automation is replacing many traditional jobs. AI provides instant answers and ready-made solutions. As a result, youths may stop analyzing deeply or thinking innovatively, which affects their originality and intellectual growth.The problem addressed in this study is the need to analyze and understand the real impact of artificial intelligence on the youths of Tumkuru City.The study seeks to identify both the opportunities and challenges posed by AI, thereby providing a

balanced understanding that can support informed decision-making and policy formulation for youth development in an increasingly AI-driven society.

III. OBJECTIVES.

- To study the role of AI in shaping career choices, skill development and employment opportunities for youths.
- To assess the level of awareness and understanding of AI among youth in Tumkuru.
- To identify the positive and negative effects of AI on social behaviour and daily life of youths.
- To identify the challenges and concerns faced by youths while using AI.
- To study the privacy and ethical concerns and risk related to AI among youths.

IV. SCOPE OF THE STUDY.

- Evaluates the level of awareness and knowledge of AI among youths.
- Examines how AI influences the academic performance, learning habits, and study methods of young individuals.
- Focuses on understanding the impact of Artificial Intelligence (AI) on youths living in Tumkuru City.

V. LIMITATION.

The study is limited to Tumkuru City only, so the findings cannot be generalized to other cities or regions. The research focuses only on youths, excluding other age groups such as children and older adults. The sample size may be limited, restricting the depth of analysis. The findings are based on a limited sample size. Responses from participants may be influenced by personal bias or reluctance to share honest opinions. The research is conducted within a specific time frame, and evolving trends in hybrid work may not be reflected.

VI. LITERATURE REVIEW.

Dr. Kanchan Shukla (2024) Emphasizes the transformative role of AI in society, highlighting its impact on youth in education, social media, and mental health. AI enhances learning through personalized content, real-time feedback, and tutoring systems, while also raising concerns about over-reliance, reduced interpersonal skills, and ethical issues like data privacy and algorithmic bias. The study highlights that AI-driven algorithms strongly shape youths' online experiences, particularly through social media platforms, where content recommendations, advertisements, and interactions are customized based on user behavior. It also explains that AI plays a vital role in digital transformation by enabling faster data processing, personalized content delivery, and improved efficiency across various sectors.

Patel Priti A (2020) examined the role of Artificial Intelligence in education, particularly focusing on personalized learning and intelligent tutoring systems. The study revealed that AI-driven platforms significantly enhance student engagement and academic performance by adapting content to individual learning needs. Highlighted the importance of responsible AI in education. Their report stressed the need for fairness, inclusivity, and transparency while implementing AI tools for youth development. It emphasized that AI helps in bridging learning gaps and improves accessibility, making education more

learner-centered. Their findings highlighted that AI-based tools such as chatbots and predictive models improve accessibility to mental health support.

VII. RESEARCH DESIGN.

Sample Size : 50 Respondents.

Tools for Data Collection: Data for this study is collected from primary and secondary sources. Primary data includes surveys and interviews with public. While secondary data encompasses websites and google forms fillings to publics.

Analysis , Interpretation and Suggestions.

The Sample consists of 84.9 percent of respondents belong to 18-25 years, 11.3 percent of respondents fall under the category of below 18 years, 3.8 percent belong to the 25 years and above category, distribution highlights that the findings of the study are mainly centered on the perceptions and experiences of young adults. Educational profile of respondents shows that postgraduates with 50.9 percent, undergraduates 37.7 percent , 11.3 percent of respondents have completed PUC. This indicates that the study predominantly reflects the views of young adults, Who are the primary users and beneficiaries of artificial intelligence-based technologies.

- **Lack of Technical knowledge is a challenge in using AI tools.**

32.1%, of the respondents strongly agree with the statement, 47.2%, agree that lack of technical knowledge is a challenge. It highlights that the majority of youths face difficulties due to limited technical understanding. 18.9% of respondents remain neutral, it shows some youths may not face serious issues, they are uncertain about the extent to which technical knowledge affects their AI usage.

- **Level of awareness about Artificial Intelligence.**

56.6% of respondents reported being highly aware of AI, while 9.4% claimed expert-level awareness., 32.1% of the respondents indicated that they are slightly aware of AI. This reflects that AI has become a widely recognized concept among youths, largely due to increased digital exposure, social media, and educational platforms. The findings reveal that awareness of AI among youths is relatively high.

- **AI generated information is sometimes Confusing or Misleading.**

49.1% of respondents selected the Neutral option, indicating uncertainty or mixed experiences with AI-generated information. This suggests that many users neither fully trust nor completely distrust AI, possibly due to varying quality of information across platforms. 32.1% of the respondents agreed with the statement, 7.5% strongly agreed with this statement.

Sl. No	Factors	Respondents	Percentage
1.	Strongly agree	4	7.5 percent
2.	Agree	16	32.1 percent
3.	Neutral	24	47.1 percent
4.	Disagree	6	11.2 percent
5.	Strongly disagree	1	2.1 percent

Perception of AI in Creating New Career Opportunities.

50.9% of respondents agreed that AI has created new career opportunities, 15.1% strongly agreed with this statement. Around 28.3% remained neutral. Indicating uncertainty or lack of complete information about AI-driven career paths. This suggests that most youths perceive AI as a beneficial force for employment generation, especially in emerging sectors such as data science, digital marketing, automation, and software development.

Influence of AI on Skill Development

50.9% of respondents stated that AI encourages them to learn basic digital skills, highlighting its role in promoting technological literacy., 28.3% felt that AI has completely transformed their skill development approach, suggesting a shift toward self-learning, online courses, and AI-based tools. Additionally, 18.9% reported being motivated to learn AI-related tools, reflecting growing interest in advanced technological skills. This demonstrates that AI plays a vital role in reshaping learning patterns among youths.

Hypothesis.

H0 : The perception of youths towards AI-generated content spreading misinformation is uniformly distributed.

H1 : The perception of youths towards AI-generated content spreading misinformation is not uniformly distributed.

Sl.No	Factors	Respondents	O-E	(O-E) ²	(O-E) ² /E
1.	Strongly agree	4	-6	36	3.6
2.	Agree	12	2	4	0.4
3.	Neutral	28	18	324	32.4
4.	Disagree	4	-6	36	3.6
5.	Strongly disagree	2	-8	64	6.4
	Total				46.4

$$E = 50/5 = 10$$

$$\text{Degree of freedom } n = 1 \quad (5-1 = 4)$$

For 4% of Degree of freedom the value from the table at the degree of 4 is 9.488 & the calculated value is 46.4 here calculated value is greater than the critical value hence the null Hypothesis formulated is rejected.

Critical values of the Chi-square distribution with d degrees of freedom							
Probability of exceeding the critical value							
d	0.05	0.01	0.001	d	0.05	0.01	0.001
1	3.841	6.635	10.828	11	19.675	24.725	31.264
2	5.991	9.210	13.816	12	21.026	26.217	32.910
3	7.815	11.345	16.266	13	22.362	27.688	34.528
4	9.488	13.277	18.467	14	23.685	29.141	36.123
5	11.070	15.086	20.515	15	24.996	30.578	37.697
6	12.592	16.812	22.458	16	26.296	32.000	39.252
7	14.067	18.475	24.322	17	27.587	33.409	40.790
8	15.507	20.090	26.125	18	28.869	34.805	42.312
9	16.919	21.666	27.877	19	30.144	36.191	43.820
10	18.307	23.209	29.588	20	31.410	37.566	45.315

Suggestions :

The Greater emphasis should be placed on enhancing AI awareness and digital literacy among youths through structured educational programs, workshops, and training sessions at schools and colleges. To prevent overdependence on AI tools, youths should be encouraged to use AI as a supportive resource rather than a substitute for independent thinking and creativity. Furthermore, considering the possible psychological and social impacts of AI, mental health awareness programs and counseling support should be introduced to help students maintain emotional well-being. Career-oriented guidance and skill development programs focusing on AI-based competencies should be introduced to prepare youths for emerging job opportunities. Policymakers and educational authorities should also establish clear guidelines and regulatory frameworks to ensure the safe, ethical, and productive use of AI technologies. Ethical and responsible use of AI must be promoted by educating students about data privacy, misinformation, algorithmic bias, and the potential misuse of AI technologies.

Summary and Conclusion.

The Study aimed to examine the impact of artificial intelligence on the youths of Tumkuru City by analyzing their awareness, usage patterns, perceptions, and the influence of AI on their academic, social, and career-related aspects. Primary data were collected through a structured questionnaire from a sample of respondents, and appropriate statistical tools were used for analysis and interpretation. The findings reveal that a majority of youths are actively engaging with AI-based tools in their daily lives, particularly for educational, communication, and entertainment purposes. It concludes that artificial intelligence has a profound and multifaceted impact on the lives of youths in Tumkuru City. The findings emphasize the need for a balanced and responsible approach to AI adoption among youths. Educational institutions, policymakers, and families must collaboratively ensure that young individuals are equipped with the necessary knowledge, ethical awareness, and critical thinking skills to use AI effectively and safely.

Bibliography and Reference's.

- Dr. Kanchan Shukla (2024) Impact of Artificial Intelligence among youths.
- UNESCO. (2021). AI in Education: useful for discussing AI's role in education, especially for youth.
- Adya Gupta (2025) The Impact of Artificial Intelligence on Teenagers/Adolescents: A Comprehensive analysis.

