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**USAGE OF AI AND GENERATIVE AI IN
DEFENCE FORCES
BY
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COORDINATING OFFICER, ALL
INDIA COUNCIL FOR TECHNICAL EDUCATION**

**ORGANISED BY CENJOWS
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USAGE OF AI AND GENERATIVE AI IN DEFENCE FORCES
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ORGANISED BY CENJOWS ON 24 OCTOBER 2024

Dr Buddha Chandrasekhar discussed the transformative potential of artificial intelligence in academic and defence sectors, especially focusing on AI tools like Anuvadini and their applications in research and security.

One of Dr Chandrasekhar's primary focal point was Anuvadini AI, an advanced language translation tool developed by Anuvadini Foundation, AICTE Anuvadini, which translates text between Indian languages, aims to bridge linguistic gaps and facilitates wider access to knowledge across India's diverse linguistic landscape. Dr Chandrasekhar highlighted that Anuvadini's role goes beyond translation; it democratises information, enabling people from various regions to access crucial security and defence studies in their native languages. He suggested that the tool, is especially beneficial for researchers and policymakers in India's defence sector, where regional insights and diverse perspectives are invaluable.

Dr Chandrasekhar emphasised that by supporting multilingual research, Anuvadini allows localised perspectives on security issues to be better understood and integrated into national discourse. He illustrated this with examples from CENJOWS, where officers and academics often bring regional insights to defence studies and policymaking. Anuvadini, according to Dr Chandrasekhar, enhances this collaborative environment, allowing greater inclusivity and cross-regional understanding, which is crucial in today's complex security landscape.

On the broader application of AI in academic research and security studies, Dr. Chandrasekhar discussed how AI-driven tools are transforming traditional research methodologies. With the ability to analyse vast data sets at unprecedented speeds, AI empowers researchers to draw insights from patterns that would be otherwise undetectable. This is particularly valuable in the field of security studies, where real-time intelligence and rapid response capabilities are essential. He pointed out that AI tools could assist researchers and security analysts by providing predictive insights

based on historical and real-time data. For instance, through AI, patterns of emerging security threats could be detected earlier, allowing for a proactive approach to national security.

Dr Chandrasekhar also addressed ethical considerations associated with AI in research and security. While acknowledging the efficiency of AI, he urged for a cautious approach to ensure AI usage adheres to ethical standards. During the deliberation he cautioned, that misuse or overreliance on AI, could lead to potential biases in research or could lead to unintended consequences in security assessments. He advocated for a balanced integration of AI tools, where human oversight remains essential to contextualise AI-driven insights appropriately.

Finally, he highlighted AI's potential to support knowledge-sharing and collaboration within the security community. AICTE's initiatives, like Anuvadini, are not only technological advancements but also social tools to foster collaboration among researchers and practitioners across diverse fields. Dr Chandrasekhar encouraged CENJOWS and AICTE to explore further AI partnerships to enhance both the quality and accessibility of security research in India. He envisioned a future where AI, through initiatives like Anuvadini, will be central to bridging gaps in knowledge and communication within India's security sector.

Dr Chandrasekhar in his concluding remarks underscored the immense potential AI holds in reshaping academic and defence research in India. Through tools like Anuvadini and other AI applications, AICTE and CENJOWS can work together to make security research more accessible, data-driven, and collaborative. His address emphasised both the benefits and responsibilities that come with AI's growing role in these critical fields, advocating for meaningful integration to fully realise AI's potential while upholding ethical standards.