

BHARAT FORGE



**Mr. Baba Kalyani conferred with the Lifetime Achievement Award at
the 29th Foundation Day of the Army Institute of Technology**

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**Headline : Security of country can't be outsourced:
Army Chief****Domain : The Times of India****Date : February 02, 2023****Edition: Pune**

Security of country can't be outsourced: Army chief

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Pune: Chief of Army Staff General Manoj Pande on Wednesday said investment in research and development (R&D) and self-sufficiency in critical technologies was a strategic imperative for the country and could no longer be ignored.

"The security of the nation can neither be outsourced nor can be dependent on the largesse of others. More so, when no country is willing to share the latest, state-of-the-art technologies in today's security scenario," the Army chief said while addressing the 29th foundation day of the Army Institute of Technology (AIT) at Dighi.

General Pande said, "The Indian Army is aware of these realities and has resolved to ensure that our capability development is based on the principle of self-reliance and leveraging niche technologies. We are taking concrete steps on both these aspects."

The Army chief referred



Mandar Deshpande
Chief of Army Staff General Manoj Pande at Army Institute of Technology on Wednesday

to the Russia-Ukraine War and said, "The war has brought out key facts, such as the impact of asymmetric warfare, potential of information warfare, communication redundancy and space-based systems — all driven by possession of technological prowess."

He said the capacity building efforts were progressing on the vision of "Atmanirbharta". "The Indian industry has responded to the need of the hour, powered by young, creative engineering professionals. And within a short period, an entire eco-

system of startups, supporting the defence industry, has come up in the country. This is a reassuring development, through which the vision of self-reliance is being realized," he said.

General Pande said, "We have created a centre of excellence to harness the potential of Artificial Intelligence (AI), data analytics, 5G and automation. In-house development of software with AI engines has begun to feature in our battlefield sensors. AI-based tools for satellite imagery are part of our key pursuits."

General Pande felicitated the meritorious students on the occasion. AIT conferred the lifetime achievement award to Babasaheb Kalyani, founder and chairman of Kalyani Group. The successful young alumni entrepreneur award was presented to Sameer Maini, an alumnus from the first batch of AIT (electronics and telecommunication). He is the founder and CEO of Collaborationroom.AI, Washington.

Headline : Russia-Ukraine conflict has highlighted impact of asymmetric warfare, digital resilience: Army Chief

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Russia-Ukraine conflict has highlighted impact of asymmetric warfare, digital resilience: Army chief

SUSHANT KULKARNI
PUNE, FEBRUARY 1

RUSSIA-UKRAINE conflict has highlighted the impact of asymmetric warfare, digital resilience and space-based systems among other things, Chief of Army Staff General Manoj Pande said on Wednesday. He was addressing a gathering at the Army Institute of Technology (AIT) in Pune where he presided over the institution's 29th foundation day ceremony.

The Army Chief said in his address: "The ongoing Russia-Ukraine conflict has brought to fore several key facets such as the impact of asymmetric warfare, potential of information warfare, digital resilience, weaponisation of economic mechanism, communication redundancy, space-based systems and many more—all driven by position of technological prowess. Today's security is therefore founded on the technological edge over the adversary. No country is willing to share the latest state-of-the-art technology. It is, hence, important to know that the security of the nation can neither be outsourced nor can be



Chief of Army Staff General Manoj Pande presenting Lifetime Achievement Award to Baba Kalyani, Chairman of Kalyani Group and Bharat Forge Ltd, Wednesday *Arul Horizon*

dependent on the largesse of others."

General Pande further said, "Self-sufficiency in critical technologies and investment in research and development is a strategic imperative that can no longer be ignored. The Indian Army is cognizant of all these realities. We have resolved to ensure that our capability development is based on the principle of self reliance and leveraging niche

technologies. We are taking concrete steps on both these aspects. Capability development efforts are progressing in the edifice of our commitment to the vision of Atmanirbhar Bharat."

Speaking about the niche technologies with regard to the Army, Gen Pande said, "We have created Centres of Excellence to harness the potential of Artificial Intelligence, Data Analytics, 5G and Automation. In-house devel-

opment of software with AI engine has begun to feature in our battlefield sensors. AI based tool for satellite imagery is part of our key pursuits. We are building gigabit networks by way of Network For Spectrum and pushing in high throughput systems to the forward areas through high capacity and Software Defined Radios." He added: "Innovation for Defence Excellence - iDEX, projects are being pursued to leverage the competencies of start-ups, individual Innovators, MSMEs, R&D Institutes and Academia. Key projects under iDEX entail Quantum Key Distribution, UAVs, Drones, Counter-Drones and AI systems. Blockchain technology is being explored for efficient supply chain management. We are also focusing on training of our rank and file in the Cyber domain."

Gen Pande, himself an officer of the Corps of Engineers, further said in his speech, "You are aware that the pace of emergence of disruptive and new technologies is very fast in today's world. Quantum Computing, Artificial Intelligence, Machine Learning, Nano-Technology, 5G and

Internet of Things...to name a few, are revolutionising all sectors. The speed of current innovative breakthroughs is immense. These have little historical precedent, as these are characterised by fusion of technologies, where the lines between physical, digital and biological spheres are becoming increasingly blurred. Almost all the technologies, that I briefly mentioned, have potential military applications and are beginning to impact modern day warfare, in a disruptive manner."

AIT is an undergraduate engineering college affiliated to the University of Pune for the ward of Army personnel and is located at Dighi Hills in Alandi Road area in Pune. It functions under the aegis of the Army Welfare Education Society (AWES) and has the Chief of Army Staff of the Indian Army as the President of its Board of Governors.

During the ceremony, the Army Chief presented a Lifetime Achievement Award to Baba Kalyani, Chairman of Kalyani Group and Chairman and Managing Director of Bharat Forge Limited.

Headline : Mr. Baba Kalyani conferred with the Lifetime Achievement Award at the 29th Foundation Day of the Army Institute of Technology

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तंत्रज्ञान करणार देशाची सुरक्षा

**लष्करप्रमुख जनरल
मनोज पांडे यांची
स्पष्टोक्ती**

पुणे : 'आगामी काळात सुरक्षा दलांसह विकसित तंत्रज्ञानही देशाची सुरक्षा करील. जगभरात क्वांटम कम्प्युटिंग, आर्टिफिशियल इंटेलिजन्स, मशिन लर्निंग, नॅनो टेक्नॉलॉजी; तसेच फाइव्ह जी प्रकारचे तंत्रज्ञान वेगाने वाढत आहे. तंत्रज्ञानाच्या याच पैलूंचा वापर युद्धामध्ये करण्यात येत आहे. रशिया-युक्रेनच्या युद्धाने हे दाखवून दिले आहे. यामुळे आगामी काळात तंत्रज्ञानाच्या या पैलूंकडे दुर्लक्ष करणे भारतीय सुरक्षेला परवडणारे नसून, त्यासाठी आवश्यक संशोधन, विकसन सुरू करण्यात आले आहे,' असे सांगून लष्करप्रमुख जनरल मनोज पांडे यांनी स्पष्ट केले.

दिधी येथील 'आर्मी इन्स्टिट्यूट ऑफ टेक्नॉलॉजी'च्या २९व्या

वर्धापनदिनानिमित्त बुधवारी आयोजित केलेल्या कार्यक्रमादरम्यान जनरल पांडे यांनी विद्यार्थ्यांशी संवाद साधला. या वेळी भारत फोर्जचे संस्थापक बाबासाहेब कल्याणी यांना पांडे यांच्या हस्ते जीवनगौरव पुरस्काराने गौरवण्यात आले. संस्थेचे अध्यक्ष मेजर जनरल टी. एस. बेंज, संचालक ब्रिगेडियर अभय भट (निवृत्त), मेजर जनरल आर. के. रैना या वेळी उपस्थित होते.

'अनेक देशांच्या सैन्यदलांनी युद्धात तंत्रज्ञानाचा वापर करायला सुरुवात केली आहे. त्यामुळे आता कोणताही देश त्यांच्याकडील विकसित तंत्रज्ञानाची माहिती इतर देशांना देण्यास तयार नाही. अशा वेळी भारताला बाहेरील तंत्रज्ञानावर अवलंबून राहून चालणार नाही. लष्कराकडून विविध प्रणाली विकसित करण्यासाठी गुणवत्ता केंद्राची स्थापना करण्यात आली आहे. सध्या लष्कराकडून स्वतःचे गिगाबाइट नेटवर्क विकसित करण्याचे काम सुरू आहे,' अशी माहिती जनरल पांडे यांनी दिली.

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लष्कर प्रमुख मनोज पांडे : आर्टिफिशियल इंटेलिजन्स, ड्रोन तंत्रज्ञानाचा वापर आवश्यक

राष्ट्राच्या विकासासाठी नवीन तंत्रज्ञानाचा वापर गरजेचा

लोकमत न्यूज नेटवर्क
पुणे : सध्या नवीन तंत्रज्ञान मोठ्या प्रमाणात येत असून, त्याचा वापर संशोधन आणि विकासकामांसाठी करणे गरजेचे आहे. वेगवेगळ्या प्रकारचे तंत्रज्ञान लष्करी युद्धात कामी येते. तंत्रज्ञानचे हे युग असून, त्यापासून कोणताच देश अलिप्त राहू शकत नाही. आर्टिफिशियल इंटेलिजन्स, अत्याधुनिक ड्रोन तंत्रज्ञान अशा प्रकारच्या विषयात आपण प्रगती करीत आहोत असे मत भारतीय लष्कराचे प्रमुख जनरल मनोज पांडे यांनी बुधवारी व्यक्त केले. दिधी येथील आर्मी इन्स्टिट्यूट ऑफ टेक्नॉलॉजीच्या २९ व्या वर्धापनदिनानिमित्त आयोजित कार्यक्रमात ते बोलत होते. यावेळी अर्चना मनोज पांडे, उद्योजक बाबा कल्याणी, लष्कराच्या दक्षिण



मुख्यालयाचे मेजर जनरल टी. एस. बैनस, मेजर जनरल आर. के. रेना, एआयटीचे संचालक ब्रिगेडियर अभय भट, आदी उपस्थित होते. यावेळी उद्योजक बाबा कल्याणी यांना एआयटीतर्फे जीवन गौरव पुरस्कार देऊन सन्मानित करण्यात आले.

जनरल मनोज पांडे म्हणाले, एआयटीने गेल्या २५ वर्षांमध्ये संरक्षण दलाला उत्तम अधिकारी दिले आहेत. संस्थेचे अनेक माजी विद्यार्थी

यशस्वी उद्योजक आहेत. त्यांनी 'उड चलो' सारखे स्टार्टअप सुरू केले आहेत.

यावेळी लष्कर प्रमुख जनरल मनोज पांडे यांच्या हस्ते गुणवंत विद्यार्थी, शिक्षक आणि शिक्षकेतर कर्मचाऱ्यांना सन्मानित करण्यात आले. चीफ ऑफ आर्मी स्टाफ बेस्ट ऑल राउंडर ट्रॉफी माहिती तंत्रज्ञान शाखेच्या अंतिम वर्षात शिकणाऱ्या आकाश भाटी याला, सर्वोत्कृष्ट

विद्यार्थी क्रीडा पुरस्कार राजशेखर करंडक संगणक अभियांत्रिकीच्या अंतिम वर्षाची विद्यार्थिनी भावना निम्मगड्डा हिला, तर सर्वोत्कृष्ट इनोव्हेशनसाठी राजपूत रेजिमेंट ट्रॉफी माहिती तंत्रज्ञान विभागाच्या तृतीय वर्षाचा विद्यार्थी अभिनव प्रताप चौहान याला देण्यात आली. संगणक अभियांत्रिकी शाखेच्या अंशू गुप्ता, इलेक्ट्रॉनिक्स आणि दूरसंचार अभियांत्रिकीच्या महेश भोसले, माहिती तंत्रज्ञान शाखेच्या कुणाल खानरा आणि मेकॅनिकल अभियांत्रिकीच्या हर्षवर्धन सिंग यांना त्यांच्या संबंधित शाखेत प्रथम स्थानासाठी 'जिओसी-इन-सी' पारितोषिक देण्यात आले. सर्वोत्कृष्ट संशोधन व सर्वोत्कृष्ट शिक्षक पुरस्कार संगणक विभागाचे प्रा. डॉ. सागर राणे यांना प्रदान देण्यात आला.

पोखरण येथे घेतली शस्त्रांची चाचणी

'मेक इन इंडिया अंतर्गत आम्ही लष्करी उत्पादने बनविली असून, नुकतेच पोखरण येथे त्याची चाचणी घेण्यात आली. परदेशातील प्रतिनिधींनीदेखील या शस्त्रांच्या गुणवत्तेची आणि क्षमतेची प्रशंसा केली आहे. मेक इन इंडिया आणि सशक्त भारत योजना अंमलबजावणी २५ वर्ष उशिराने होत आहे. अर्थव्यवस्था जगात वेगाने वाढत आहे. उद्योगांना सुविधा निर्मिती होत आहे. जगाच्या तुलनेत महागाई आपण मर्यादित ठेवली आहे. 'भारत प्रथम' अंतर्गत जगातील देश भारताकडे आशेने पाहत आहे असे कल्याणी यांनी म्हटले.

Headline : Mr. Baba Kalyani conferred with the Lifetime Achievement Award at the 29th Foundation Day of the Army Institute of Technology

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सैन्यदलांच्या अद्ययावतीकरणात तंत्रज्ञान महत्त्वाचे

जनरल मनोज पांडे
यांचे मत

लोकसत्ता प्रतिनिधी

पुणे : लष्कराच्या अद्ययावतीकरणामध्ये तंत्रज्ञानाचे योगदान अनन्यसाधारण आहे. 'आर्मी इन्स्टिट्यूट ऑफ टेक्नॉलॉजी' ही संस्था २९ वा स्थापना दिवस साजरा करताना देशातील २०० सर्वोत्तम अभियांत्रिकी महाविद्यालयांच्या यादीत समाविष्ट



जनरल मनोज पांडे यांच्या हस्ते कल्याणी ग्रुपचे संस्थापक अध्यक्ष बाबा कल्याणी यांना 'एआयटी जीवनगौरव पुरस्कार' प्रदान करण्यात आला.

झाली आहे. संस्थेने गुणवत्तेचा आलेख चढता ठेवल्याने त्याचे सकारात्मक परिणाम उद्योग आणि सैन्यदलांमध्येही दिसून येत आहेत, अशा शब्दांत लष्कर प्रमुख जनरल मनोज पांडे यांनी संस्थेला शुभेच्छा दिल्या.

'एआयटी' ने बुधवारी स्थापना दिवस साजरा केला. यावेळी जनरल मनोज पांडे प्रमुख पाहुणे म्हणून उपस्थित होते. कल्याणी ग्रुपचे संस्थापक अध्यक्ष बाबा कल्याणी यांना यावेळी एआयटी जीवनगौरव

पुरस्कार प्रदान करण्यात आला. कल्याणी म्हणाले, भारतीय सशस्त्र दलांचे कर्तृत्व कौतुकास्पद आहे. आज भारतीय संरक्षण उद्योग प्रगत शस्त्र प्रणालीच्या आयातदार राहिले नसून निर्यातदार झाले आहेत, याबाबतचे समाधानही कल्याणी यांनी यावेळी व्यक्त केले. जनरल मनोज पांडे यांच्या हस्ते आकाश भाटी, भावना निममग्न आणि प्रताप चौहान या विद्यार्थ्यांना गौरवण्यात आले. एआयटीचे संचालक ब्रिगेडियर अभय भट यावेळी उपस्थित होते.

Headline : Mr. Baba Kalyani conferred with the Lifetime Achievement Award at the 29th Foundation Day of the Army Institute of Technology

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राष्ट्राच्या सुरक्षेसाठी नवीन तंत्रज्ञानावर भर आवश्यक

लष्करप्रमुख जनरल मनोज पांडे

पुणे : राष्ट्राच्या सुरक्षेसाठी नवीन तंत्रज्ञान, संशोधन व विकास यावर भर देऊन आत्मनिर्भर होण्याची गरज आहे. नवीन तंत्रज्ञानाचा वापर विकास कामात केला पाहिजे. वेगवेगळ्या प्रकारचे तंत्रज्ञान हे लष्करी युद्धात उपयुक्त ठरते. आत्मनिर्भर भारतमुळे देशात संशोधन व विकासाला चालना मिळत आहे. लष्करातही यावर भर दिला जात असून आर्टिफिशियल इंटेलिजन्स, मशीन लर्निंग, रोबोटिक, अत्याधुनिक ड्रोन तंत्रज्ञान क्षेत्रात प्रगती होत आहे, असे मत लष्करप्रमुख जनरल मनोज पांडे यांनी व्यक्त केले.

दिधी येथील आर्मी इन्स्टिट्यूट ऑफ टेक्नॉलॉजीच्या (एआयटी) २९व्या स्थापना दिनानिमित्त आयोजित कार्यक्रमात ते बोलत होते. यावेळी कल्याणी ग्रुप, भारत फोर्ज लिमिटेडचे अध्यक्ष पद्मभूषण बाबासाहेब कल्याणी यांना जीवनगौरव पुरस्काराने गौरवण्यात आले. तसेच पहिल्या तुकडीचे विद्यार्थी समीर मैनी यांना यशस्वी माजी विद्यार्थी युवा उद्योजक पुरस्काराने सन्मानित करण्यात आले. एआयटीचे चेअरमन मेजर जनरल टी. एस. बेन्स, संचालक ब्रिगेडियर अभय भट, सहसंचालक कर्नल एम. के. प्रसाद, प्राचार्य डॉ. बी. पी. पाटील, मेजर जनरल आर. के. रैना यावेळी उपस्थित होते.

जनरल मनोज पांडे म्हणाले, आपल्या राष्ट्राला महासत्ता बनवण्यासाठी विद्यापीठे आणि महाविद्यालये यांच्या नेतृत्वाखालील तंत्रज्ञान नवकल्पना अतिशय महत्त्वाची भूमिका बजावत आहेत. एआयटीने मागील २५ वर्षांत संरक्षण दलाला उत्तम अधिकारी, अभियंते, उद्योजक दिले आहेत.

पद्मभूषण बाबासाहेब कल्याणी म्हणाले, हा पुरस्कार माझ्या सर्व सहकाऱ्यांचा, आजवर केलेल्या कार्याचा गौरव आहे. आत्मनिर्भर भारताचे स्वप्न साकारण्यासाठी मला योगदान देता येत आहे, याचा



गुणवंत विद्यार्थी, शिक्षकांना लष्करप्रमुखांच्या हस्ते पारितोषिक वितरण या कार्यक्रमात माहिती तंत्रज्ञान शाखेचा आकाश भाटी याला चीफ ऑफ आर्मी स्टाफ बेस्ट ऑल राउंडर ट्रॉफी प्रदान करण्यात आली. तसेच संगणक अभियांत्रिकीची भावना निम्मगड्डा हिला सर्वोत्कृष्ट विद्यार्थी क्रीडा पुरस्कार, माहिती तंत्रज्ञान विभागाचा अभिनव प्रताप चौहान याला सर्वोत्कृष्ट इनोव्हेशनसाठी राजपूत रेजिमेंट ट्रॉफी, तर अंशू गुप्ता, महेश भोसले, कुणाल खानरा आणि हर्षवर्धन सिंग यांना 'जिओसी-इन-सी' पारितोषिक प्रदान करण्यात आले. सर्वोत्कृष्ट संशोधन व सर्वोत्कृष्ट शिक्षक पुरस्कार संगणक विभागाचे प्रा. डॉ. सागर राणे यांना प्रदान करण्यात आला. बेस्ट नॉन-टीचिंग टेक्निकल स्टाफ अवॉर्ड स्वाती साळुंखे यांना, तर सर्वोत्कृष्ट शिक्षकेतर कर्मचारी पुरस्कार अविनाश भोसले यांना प्रदान करण्यात आला.

आनंद आहे. भारतीय उद्योग क्षेत्रात आमूलाग्र बदल होत असून, आयात करणारा देश अशी ओळख पुसून काढत उत्पादक देश व निर्यात करणारा देश म्हणून ओळख बनत आहे. ब्रिगेडियर अभय भट यांनी प्रास्ताविक केले. अभिषेक कुमार मील, आशना वेद यांनी सूत्रसंचालन केले. मेजर जनरल टी. एस. बेन्स यांनी आभार मानले.

Headline : Mr. Baba Kalyani conferred with the Lifetime Achievement Award at the 29th Foundation Day of the Army Institute of Technology

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रौप्यमहोत्सव • जनरल मनोज पांडे; एआयटीच्या २९ व्या स्थापना दिनानिमित्त कार्यक्रम

राष्ट्राच्या सुरक्षेसाठी आत्मनिर्भर बना

पुणे, (वा.) राष्ट्राची सुरक्षा कोणाच्या हाती सोपविता येत नाही किंवा इतरांवर अवलंबून राहता येत नाही. त्यासाठी नवीन तंत्रज्ञान, संशोधन व विकास यावर भर देऊन आत्मनिर्भर होण्याची गरज आहे. संशोधनामध्ये गुंतवणूक करण्यासह आपल्या क्षमता वाढवणे महत्त्वपूर्ण आहे. 'आत्मनिर्भर भारत'मुळे देशात संशोधन व विकास याला चालना मिळत असून, लष्करात ही त्यावर भर दिला जात आहे. आर्टिफिशियल इंटेलिजन्स, मशीन लर्निंग, रोबोटिक, अत्याधुनिक ड्रोन तंत्रज्ञान आदी क्षेत्रात प्रगती होत आहे, असे प्रतिपादन लष्करप्रमुख जनरल मनोज पांडे यांनी केले.

दिधी येथील आर्मी इन्स्टिट्यूट ऑफ टेक्नॉलॉजीच्या (एआयटी) २९ व्या स्थापना दिनानिमित्त आयोजित कार्यक्रमात मनोज पांडे बोलत होते. कल्याणी ग्रुप, भारत फोर्ज लिमिटेडचे अध्यक्ष, प्रसिद्ध ज्येष्ठ उद्योगपती पद्मभूषण बाबासाहेब कल्याणी यांना जीवनगौरव पुरस्काराने, तर पहिल्या बॅचचे विद्यार्थी समीर मैनी (संस्थापक अध्यक्ष - कोलंबेरेशनरूम.एआय, वाशिंग्टन, अमेरिका) यांना यशस्वी माजी विद्यार्थी युवा उद्योजक पुरस्काराने सन्मानित करण्यात आले.

'एआयटी'च्या रमन थिएटरमध्ये झालेल्या कार्यक्रमावेळी 'एआयटी'चे चेअरमन मेजर जनरल



बाबासाहेब कल्याणी यांना 'जीवनगौरव पुरस्कार' प्रदान

संगणक अभियांत्रिकी शाखेच्या अंशू गुप्ता, इलेक्ट्रॉनिक्स आणि दूरसंचार अभियांत्रिकीच्या महेश भोसले, माहिती तंत्रज्ञान शाखेच्या कुणाल खानरा आणि मेकॅनिकल अभियांत्रिकीच्या हर्षवर्धन सिंग यांना त्यांच्या संबंधित शाखेत प्रथम स्थानासाठी 'जिओसी-इन-सी' पारितोषिक देण्यात आले. सर्वोत्कृष्ट संशोधन व सर्वोत्कृष्ट शिक्षक पुरस्कार संगणक विभागाचे प्रा. डॉ. सागर राणे यांना प्रदान करण्यात आला. उत्कृष्ट तांत्रिक सहाय्यक कर्मचारी (बेस्ट नॉन-टीचिंग टेक्निकल स्टाफ अवॉर्ड) स्वाती सालुंखे यांना, तर सर्वोत्कृष्ट शिक्षकेतर कर्मचारी पुरस्कार, प्रशासन विभागातील अविनाश भोसले यांना देण्यात आला.

टी. एस. बेन्स, संचालक ब्रिगेडियर (नि.) अभय भट, सहसंचालक कर्नल एम. के. प्रसाद, प्राचार्य डॉ. बी. पी. पाटील, मेजर जनरल आर. के. रैना यांच्यासह अनेक सेवानिवृत्त अधिकारी, उद्योग प्रतिनिधी, पालक, माजी विद्यार्थी, एआयटीचे विद्यार्थी आणि कर्मचारी

उपस्थित होते. १९९८ च्या पहिल्या बॅचचा रौप्यमहोत्सव यावेळी साजरा करण्यात आला. जनरल मनोज पांडे यांच्या हस्ते गुणवंत विद्यार्थी, शिक्षक आणि शिक्षकेतर कर्मचाऱ्यांना सन्मानित करण्यात आले.

Headline : Mr. Baba Kalyani conferred with the Lifetime Achievement Award at the 29th Foundation Day of the Army Institute of Technology

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'जीवनगौरव' पुरस्काराने उद्योगपती बाबा कल्याणी यांना सन्मानित करताना (डावीकडून) 'एआयटी'चे संचालक ब्रिगेडिअर अभय भट, बाबा कल्याणी, लष्करप्रमुख जनरल मनोज पांडे आणि मेजर जनरल टी. एस. बैनस.

नवीन तंत्रज्ञान आत्मसात करणे आवश्यक

लष्करप्रमुख
जनरल मनोज पांडे
यांचे प्रतिपादन

पुणे : पुढारी वृत्तसेवा

राष्ट्राची सुरक्षा कोणाकडेही सोपविता येत नाही. त्यासाठी नवीन तंत्रज्ञान, संशोधन व विकासावर भर देऊन आत्मनिर्भर होण्याची गरज आहे. संशोधनामध्ये गुंतवणूक करून आपल्या क्षमता वाढविणे आवश्यक आहे. 'आत्मनिर्भर भारत'मुळे देशात संशोधन व विकासाला चालना मिळत असून, लष्करातही त्यावर भर दिला जात आहे, असे प्रतिपादन लष्करप्रमुख जनरल मनोज पांडे यांनी केले.

दिधी येथील आर्मी इन्स्टिट्यूट ऑफ टेक्नॉलॉजीच्या (एआयटी) २९ व्या वर्धापन दिनानिमित्त आयोजित

कार्यक्रमात ते बोलत होते. या वेळी अर्चना मनोज पांडे, लष्कराच्या दक्षिण मुख्यालयाचे मेजर जनरल टी. एस. बैनस, मेजर जनरल आर. के. रैना, एआयटीचे संचालक ब्रिगेडिअर अभय भट उपस्थित होते. या वेळी उद्योजक बाबा कल्याणी यांना 'एआयटी'ने 'जीवनगौरव' पुरस्कार देऊन सन्मानित केले.

पांडे म्हणाले, 'एआयटी'ने गेल्या २५ वर्षांमध्ये संरक्षण दलाला उत्तम अधिकारी दिले आहेत. संस्थेचे अनेक माजी विद्यार्थी यशस्वी उद्योजक आहेत. त्याबरोबरच 'उड चलो'सारखे स्टार्टअप सुरू केले आहेत.'

कल्याणी म्हणाले, 'हा पुरस्कार मला मिळाल्याने मी संस्थेचा आभारी आहे. मेक इन इंडिया आणि सशक्त भारत सारख्या योजनांची अंमलबजावणी २५ वर्षे उशिराने होत आहे. भारत हा अनेक वर्षे शस्त्रास्त्रे आयात करीत होता. परंतु, पंतप्रधानांच्या पुढाकाराने भारत आता शस्त्रे निर्यातदार बनत आहे. देशाची अर्थव्यवस्था जगात वेगाने वाढत आहे. उद्योगांना पोषक पायाभूत सुविधांची निर्मिती मोठ्या प्रमाणात होत आहे. जगाच्या तुलनेत महागाई आपण मर्यादित ठेवली आहे. 'भारत प्रथम'अंतर्गत जगातील देश भारताकडे आशेने पाहत आहेत.'

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राष्ट्रसुरक्षेसाठी आत्मनिर्भर होणे गरजेचे!

पुणे, दि. १ (प्रतिनिधी) - राष्ट्राची सुरक्षा कोणाच्या हाती सोपविता येत नाही किंवा इतरांवर अवलंबून राहता येत नाही. त्यासाठी नवीन तंत्रज्ञान, संशोधन व विकास यावर भर देऊन आत्मनिर्भर होण्याची गरज आहे. संशोधनामध्ये गुंतवणूक करण्यासह आपल्या क्षमता वाढवणे महत्त्वपूर्ण आहे. 'आत्मनिर्भर भारत'मुळे देशात संशोधन व विकास याला चालना मिळत असून, लष्करातही त्यावर भर दिला जात आहे, असे मत लष्करप्रमुख जनरल मनोज पांडे यांनी व्यक्त केले.

दिधी येथील आर्मी इन्स्टिट्यूट ऑफ टेक्नॉलॉजीच्या (एआयटी) २९व्या स्थापना दिनानिमित्त आयोजित कार्यक्रमात ते बोलत होते. यावेळी भारत फोर्ज लिमिटेडचे अध्यक्ष, ज्येष्ठ उद्योगपती पद्मभूषण बाबासाहेब कल्याणी यांना 'जीवनगौरव पुरस्कारा'ने, तर पहिल्या बॅचचे विद्यार्थी समीर मैनी (संस्थापक अध्यक्ष - कोलंबेरेशनरूम, एआय, वॉशिंग्टन, अमेरिका) यांना 'यशस्वी माजी विद्यार्थी युवा उद्योजक पुरस्कारा'ने सन्मानित करण्यात आले. 'एआयटी'चे चेअरमन मेजर जनरल टी. एस. बेन्स, संचालक ब्रिगेडियर (निवृत्त) अभय भट, सहसंचालक कर्नल एम. के. प्रसाद, प्राचार्य डॉ. बी. पी. पाटील, मेजर जनरल आर. के.



रैना उपस्थित होते.

जनरल मनोज पांडे यांच्या हस्ते चीफ ऑफ आर्मी स्टाफ बेस्ट ऑल राउंडर ट्रॉफी माहिती तंत्रज्ञान शाखेच्या अंतिम वर्षात शिकणाऱ्या आकाश भाटी याला, 'सर्वोत्कृष्ट विद्यार्थी क्रीडा पुरस्कार' राजशेखर करंडक संगणक अभियांत्रिकीच्या अंतिम वर्षाची विद्यार्थिनी भावना निम्मगड्डा हिला, तर सर्वोत्कृष्ट इनोव्हेशनसाठी राजपूत रेजिमेंट ट्रॉफी माहिती तंत्रज्ञान विभागाच्या तृतीय वर्षाचा विद्यार्थी अभिनव प्रताप चौहान याला देण्यात आली. याशिवाय संगणक अभियांत्रिकी 'शाखेच्या अंशू गुप्ता, इलेक्ट्रॉनिक्स आणि दूरसंचार अभियांत्रिकीच्या महेश भोसले, माहिती तंत्रज्ञान शाखेच्या कुणाल खानरा आणि

मेकॅनिकल अभियांत्रिकीच्या हर्षवर्धन सिंग यांना 'जिओसी-इन-सी' पारितोषिक देण्यात आले.

जनरल मनोज पांडे म्हणाले, 'आपल्या राष्ट्राला महासत्ता बनवण्यासाठी विद्यापीठे आणि महाविद्यालये यांच्या नेतृत्वाखालील तंत्रज्ञान नवकल्पना अतिशय महत्त्वाची भूमिका बजावतात. 'एआयटी'ने गेल्या २५ वर्षांमध्ये संरक्षण दलाला उत्तम अधिकारी, अभियंते दिले आहेत.

पद्मभूषण बाबासाहेब कल्याणी म्हणाले, 'आत्मनिर्भर हिंदुस्थान'चे स्वप्न साकारण्यासाठी मला योगदान देता येतेय, याचा आनंद व अभिमान वाटतो. आयात करणारा देश अशी ओळख पुसून काढत उत्पादक व निर्यात करणारा देश म्हणून हिंदुस्थानची ओळख बनत आहे.

Headline : Mr. Baba Kalyani conferred with the Lifetime Achievement Award at the 29th Foundation Day of the Army Institute of Technology

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राष्ट्राच्या सुरक्षेसाठी आत्मनिर्भर होणे गरजेचे : जनरल मनोज पांडे

‘एआयटी’च्या २९ व्या स्थापना दिनानिमित्त मार्गदर्शन : ‘एआयटी’तर्फे प्रसिद्ध उद्योगपती बाबासाहेब कल्याणी यांना ‘जीवनगौरव पुरस्कार’ प्रदान

► पुणे (वे. संभावा) :

राष्ट्राची सुरक्षा कोणाच्या हाती सोपविता येत नाही किंवा इतरांवर अवलंबून राहता येत नाही. त्यासाठी ज्वलंत तंत्रज्ञान, संशोधन व विकास यत्न भार देऊन आत्मनिर्भर होण्याची गरज आहे. संशोधनमध्ये गुंतवणूक करणाऱ्यास आपल्या क्षमता वाढवणे महत्त्वपूर्ण आहे. ‘आत्मनिर्भर’ भावत पुढे देवात संशोधन व विकास याला चालना मिळत असून, लष्करात ही त्याच भाव दिवला जात आहे. आर्टिफिशियल इंटेलिजन्स, मशीन लर्निंग, रोबोटिक्स, अत्याधुनिक ड्रोन तंत्रज्ञान अशी क्षेत्रात प्रगती होत आहे, असे प्रतिपादन लष्करप्रमुख जनरल मनोज पांडे यांनी केले.

दिली वेधील आर्मी इन्स्टिट्यूट ऑफ टेक्नॉलॉजीच्या (एआयटी) २९ व्या स्थापना दिनानिमित्त आयोजित कार्यक्रमात मनोज पांडे बोलत होते. कल्याणी सुपु, भारत फोर्स लिमिटेडचे



अध्यक्ष, प्रसिद्ध उद्योगपती पद्मभूषण बाबासाहेब कल्याणी यांना जीवनगौरव पुरस्काराने, तर पहिल्या बॅचचे विद्यार्थी समीर मैत्री (संस्थापक अध्यक्ष -कोलंबोरोनरुय, एआय, बॉयगटन, अमेरिका) यांना परासनी भाजी विद्यार्थी युवा उद्योजक पुरस्काराने सन्मानित करण्यात आले. ‘एआयटी’च्या स्वतः विएएटमध्ये इन्व्हेन्शर कार्यक्रमांसाठी एआयटी’चे चेअरमन जनरल टी. राम. बेना, संचालक डिरेक्टर (नि.)

अमय भट, सहसंचालक कर्नल एम. के. प्रसाद, प्राचार्य डॉ. बी. पी. पाटील, मेजर जनरल आर. के. त्ना यांच्यासह अनेक मेवाजिबूत अधिकारी, उद्योग प्रतिनिधी, पालक, माजी विद्यार्थी, एआयटीचे विद्यार्थी आणि कर्मचारी उपस्थित होते. १९९८ च्या पहिल्या बॅचचा तैय्यमहोत्सव पावेठी सारजा करण्यात आला.

जनरल मनोज पांडे यांच्या हस्ते गुलबंद विद्यार्थी, शिक्षक आणि शिक्षकेतर कर्मचाऱ्यांना सन्मानित करण्यात आले. चौफ ऑफ

आर्मी स्टारफ बेट ऑन राउंडर टूफ्री माहिती तंत्रज्ञान शाखेच्या अंतिम वर्धांत शिकवणाऱ्या आकाश भाटी याला, सर्वोत्कृष्ट विद्यार्थी श्रीधर पुरस्कार राजेश्वर कांदेकर संगणक अभियांत्रिकीच्या अंतिम वर्धाची विद्यार्थीनी भावना निम्मगडू शिला, तर सर्वोत्कृष्ट इन्व्हेन्शरसाठी राजकुमार रेजिमेंट टूफ्री माहिती तंत्रज्ञान विभागाच्या प्रताप चौधन याला देण्यात आली. संगणक अभियांत्रिकी शाखेच्या अंजु गुण, इलेक्ट्रॉनिक्स आणि

दूरसंचार अभियांत्रिकीच्या म्हैरा भोसले, माहिती तंत्रज्ञान शाखेच्या कुमाल खाने आणि मेकेनिकल अभियांत्रिकीच्या हर्षधन सिंग यांना त्यांच्या संबंधित शाखेत प्रथम स्थानासाठी ‘विओसी-इयन-सी’ पारितोषिक देण्यात आले. सर्वोत्कृष्ट संशोधन व सर्वोत्कृष्ट शिक्क पुरस्कार संगणक विभागाचे प्रा. डॉ. सातार रामो यांना प्रदान करण्यात आला. उत्कृष्ट तंत्रिक सहाय्यक कर्मचारी (बेट वॉन-टॅपिंग) टेक्निकल स्टॉफ अर्बाई) व्यक्ती सायुषी यान, तर सर्वोत्कृष्ट शिक्केंतर कर्मचारी पुरस्कार, प्रशासन विभागातील अविनाश भोसले यांना देण्यात आला.

जनरल मनोज पांडे म्हणाले, आपल्या राष्ट्रला महान बनवण्यासाठी विद्यार्थी आणि महारथिवाले यांच्या नेतृत्वाखालील तंत्रज्ञान नवकल्पना उत्तरेण महत्त्वाची भूमिका बजावतात. ‘एआयटी’ने गेल्या २५ वर्षांमध्ये संरक्षण

व्यागत-प्रास्ताविकात किंगोडर अमय भट यांनी ‘एआयटी’च्या पागील वर्धमराठील कामगिरीचा व प्रगतीचा संक्षेप आढावा घेतला. शैक्षणिक व अवतार, श्रीधर प्रगतीसह ‘एआयटी’च्या विद्यार्थ्यांच्या उत्कृष्ट प्लेसमेंट्सविषयी सानताना माजी विद्यार्थ्यांच्या कर्तृत्वाचे आणि राष्ट्रमाठी त्यांनी दिलेल्या योगदानाचे विशेष कौतुक केले. अभियेक फुगार मील आणि आशाना बेट यांनी वृत्तसंचालन केले. मेजर जनरल टी. एम. बेनास यांनी आभार मानले.

दलाना उराम अभिकारी, चांगले अभियंते, उद्योजक दिले आहेत. आज प्रत्येक क्षेत्रात उत्कृष्ट कामगिरी करत आहेत आणि त्यांच्या मातृसंस्थेचा अभिमान वाढवता आहेत. शास्त्रज्ञ विकास ही काळाची गरज आहे. शास्त्रज्ञ आणि अभियंत्यांनी व्यावहारिक आणि अंमलबजावणीयोग्य यत्न शोधणे आवश्यक आहे. संरक्षण तंत्रज्ञानामध्ये आत्मनिर्भरता राष्ट्रामा प्रथमात महत्त्वपूर्ण आहे. आम्हाने मर्यादित करण्यापेक्षा मर्यादना आम्हाना देत त्याचर मात कराता आली पाहिजे.

सकाराला उरर देवाना पद्मभूषण बाबासाहेब कल्याणी म्हणाले, या पुरस्काराचा नम्रपणे स्वीकार करतात. हा सन्मान माझ्या

सर्व सहकाऱ्यांचा, आजवर केलेल्या कार्याचा गौरव आहे. आत्मनिर्भर भारताचे स्वप्न साकारण्यासाठी मला योगदान देता येतय, याचा आनंद व अभिमान वाटतो.

भारतीय उद्योग क्षेत्रात आम्हारा बडवण होत असून, आयात करणारा देण अशी ओझळ पुरतून काढत उत्पादक देण व निर्यात करणारा देण म्हणून ओझळ बनत आहे. तंत्रज्ञान विकसित, स्टार्टअप, इन्व्हेन्शन या मोर्चांच्या बाबत भारत आत्मनिर्भर होत असून, कृषि व बुद्धिमत्ता, भारतीय लर्निंग, घोराररसा इत्येन्मुख क्षेत्रात प्रगती करत आहे. भारताकडे युवासक्ती मोठ्या प्रमाणावर उपलब्ध

आहे. त्यामुळे अभियंत्यांच्या युवा पिढीने देशाच्या रचनात्मक प्रगतीमध्ये अग्रगण्य योगदान करणे देऊ शकू. यत्न अधिक लक्ष केंद्रित करावला हवे.

शिहरीओ वरेराम्णारे समीर मैत्री म्हणाले, परासनी भाजी विद्यार्थी युवा उद्योजक पुरस्काराने सन्मानित झाल्याबद्दल आनंद आणि व्यावसायिक यत्नात ‘एआयटी’चा मोठा बटाटा आहे. येथील सर्व शिक्षक, सहकारी विद्यार्थी यांनी आपल्या उद्योगधंद्यातील योगदान दिले आहे. महाराष्ट्रातील जीवनया आनंद घेताना राष्ट्रमाठी, समाजासाठी काम करणाऱ्याची भावना रुजवण्यात होती.

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राष्ट्राच्या सुरक्षेसाठी आत्मनिर्भर होणे गरजेचे

लष्करप्रमुख जनरल मनोज पांडे यांचे प्रतिपादन

प्रभात वृत्तसेवा

पुणे, दि. १ - राष्ट्राची सुरक्षा कोणाच्या हाती सोपविता येत नाही किंवा इतरांवर अवलंबून राहता येत नाही. त्यासाठी नवीन तंत्रज्ञान, संशोधन व विकास यावर भर देऊन आत्मनिर्भर होण्याची गरज आहे. संशोधनामध्ये गुंतवणूक करण्यासह आपल्या क्षमता वाढवणे महत्त्वपूर्ण आहे. 'आत्मनिर्भर भारत'मुळे देशात संशोधन व विकास याला चालना मिळत असून, लष्करात ही त्यावर भर दिला जात आहे.

आर्टिफिशियल इंटेलिजन्स, मशीन लर्निंग, रोबोटिक, अत्याधुनिक ड्रोन तंत्रज्ञान आदी क्षेत्रात प्रगती होत आहे, असे प्रतिपादन लष्करप्रमुख जनरल मनोज पांडे यांनी केले.

दिग्घो येथील आर्मी इन्स्टिट्यूट ऑफ टेक्नॉलॉजीच्या (एआयटी) २९व्या स्थापना दिनानिमित्त आयोजित कार्यक्रमात मनोज पांडे बोलत होते. कल्याणी ग्रुप, भारत फोर्ज लिमिटेडचे अध्यक्ष ज्येष्ठ उद्योगपती पद्मभूषण बाबा कल्याणी यांना जीवनगौरव पुरस्काराने तर पहिल्या बॅचचे विद्यार्थी समीर मेनी (संस्थापक अध्यक्ष -कोलंबेरानरूम.एआय, वॉशिंग्टन, अमेरिका) यांना यशस्वी माजी विद्यार्थी युवा उद्योजक पुरस्काराने सन्मानित करण्यात आले.

आपल्या राष्ट्राला महासत्ता बनवण्यासाठी विद्यार्थी आणि महाविद्यालये यांच्या नेतृत्वाखालील तंत्रज्ञान नवकल्पना अतिशय महत्वाची भूमिका बजावतात. 'एआयटी'ने गेल्या २५ वर्षांमध्ये संरक्षण दलाला उत्तम अधिकारी,

चांगले अभियंते, उद्योजक दिले आहेत. आज प्रत्येक क्षेत्रात उत्कृष्ट कामगिरी करत आहेत आणि त्यांच्या मातृसंस्थेचा अभिमान बाळगत आहेत. शाश्वत विकास ही काळाची गरज आहे. शास्त्र आणि अभियंत्यांनी व्यावहारिक आणि अंमलबजावणीयोग्य उपाय

शोधणे आवश्यक आहे. संरक्षण तंत्रज्ञानामध्ये आत्मनिर्भरता महत्त्वपूर्ण आहे, असे पांडे यांनी नमूद केले. प्रास्ताविक ब्रिगेडियर अचय भट यांनी केले. सूत्रसंचालन अभियंते कुमार मील आणि आशाना वेद यांनी केले. मेजर टी. एस. बेन्स यांनी आभार मानले.





Online

No.	Publication/Portal	Headline	Date
1	The Times of India	Security of nation can neither be outsourced nor be dependent on largesse of others: Army chief General Pande	02 February 2023
2	Indian Express	Russia-Ukraine conflict has highlighted the impact of asymmetric warfare, digital resilience: Army chief	02 February 2023
3	Daily Excelsior	Security of nation can neither be outsourced nor be dependent on largesse of others: Army chief General Pande	02 February 2023
4	Bharat Times	Nation's security can neither be outsourced nor depend on the generosity of others: Army Chief Gen Pandey India News	02 February 2023
5	Pehal News	Security of nation can neither be outsourced nor be dependent on largesse of others: Army chief General Pande	02 February 2023
6	Kashmir Vision	Security of nation cannot be outsourced: Army Chief	02 February 2023
7	Best Current Affairs	Army Institute of Technology, Pune celebrates its 29th Foundation Day	02 February 2023
8	IDRW	Security Of Nation Can Neither Be Outsourced Nor Be Dependent On Largesse Of Others: Army Chief Gen Pande	02 February 2023
9	Verve Times	Security Of Nation Can Neither Be Outsourced Nor Be Dependent On Largesse Of Others: Army Chief Gen Pande	02 February 2023
10	The News Now	Nation's security cannot be outsourced, says Army chief	02 February 2023

Headline : Security of nation can neither be outsourced nor be dependent on largesse of others: Army chief General Pande	Domain : The Times of India
Date : February 02, 2023	Edition: Pune

<https://timesofindia.indiatimes.com/india/security-of-nation-can-neither-be-outsourced-nor-be-dependent-on-largesse-of-others-army-chief-general-pande/articleshow/97532373.cms>

Chief of the Army Staff General Manoj Pande on Wednesday said no country is willing to share the latest, "state-of-the-art" technologies and it implies that the security of the nation can neither be outsourced nor be dependent on the largesse of others, highlighting the impact of asymmetric warfare and digital resilience. He was speaking at the foundation day of the Army Institute of Technology in Maharashtra's Pune city.

"The ongoing Russia-Ukraine conflict has brought to fore certain key facts such as the impact of asymmetric warfare, the potential of information warfare, digital resilience, weaponisation of economic mechanisms, communication redundancy, space-based system and many more, all are driven by possession of technology prowess," he said. Today's security, therefore, is founded on the technological edge over the adversary, General Pande said. "No country is willing to share the latest, state-of-the-art technologies, it hence implies that the security of the nation can neither be outsourced nor be dependent on the largesse of others. Self-sufficiency in critical technologies and investment in research and development is a strategic imperative that can no longer be ignored," he said.

The Indian Army is cognisant of these realities, said General Pande, an alumnus of the National Defence Academy in the city.

"We have resolved to ensure that the development of our capabilities is based on the principles of self-reliance and leveraging niche technologies and the Indian Army is taking concrete steps on both these aspects," he said.

Capacity development efforts are progressing on the edifice of the commitment to the vision of "atmanirbharta" (self-reliance), he said. "The Indian industry has responded to the need of the hour, powered by young, creative professionals within a short period, an entire ecosystem of start-ups, supporting the defence industry, has come up in the country. This is a very reassuring development, through which the vision of 'atmanirbharta' is being realised," he said. Elaborating on niche technologies, the general said that they have created a centre of excellence to harness the potential of artificial intelligence, data analytics, 5G and automation. He also said that in-house development of software with an AI engine has begun to feature in "our battlefield sensors".

"AI-based tool for satellite imagery is part of our key pursuits. We are building gigabit networks by way of network for spectrum and pushing high throughput systems to the forward areas through high capacity and software-defined radios. Innovations for Defence Excellence (iDEX) projects are being pursued to leverage the competencies of start-ups, individual innovators, MSMEs, R&D Institutes and academia," he said.

He added that key projects under iDEX entail quantum key distribution, UAVs (unmanned aerial vehicles), drones, counter-drones, and AI systems. Blockchain technology is being explored for efficient supply chain management, he said. "These are a few ways in our roadmap to shape the Indian Army into a future-ready, technologically driven, lethal, and agile force, capable of meeting future challenges in an effective manner," he said.

Pande said that technology infusion and modernisation of the country's warfare systems will remain an



enduring pursuit. "Therefore, avenues in a large number of technological domains are open to young bright minds like you to step in and be a stakeholder in the capability development architecture of the Indian Army," Pande said addressing the students at the engineering college. The slogan "Jai Jawan, Jai Kisan, Jai Vigyan, Jai Anusandhan" given by Prime Minister Narendra Modi captures the contemporary reality aptly and underscores the importance of research and innovation, the Army chief added. In his address at the event, industrialist Baba Kalyani expressed his admiration for the Indian Armed Forces and said that Indian defence industries have transitioned from being importers to exporters of advanced weapon systems. Kalyani asserted that India would lead on the global platform by the next decade "because of its five key strengths - economy, structural reforms, technology-enabling manufacturing evolution, 'India First' diplomacy, and 'Being Young'". The industrialist said he is confident India will be a \$33-trillion economy by 2047.

Headline : Russia-Ukraine conflict has highlighted the impact of asymmetric warfare, digital resilience: Army chief

Domain : Indian Express

Date : February 02, 2023

Edition: Pune

<https://indianexpress.com/article/cities/pune/russia-ukraine-conflict-has-highlighted-the-impact-of-asymmetric-warfare-digital-resilience-army-chief-8418686/>

Russia-Ukraine conflict has highlighted the impact of asymmetric warfare, digital resilience and space-based systems among other things, Chief of Army Staff General Manoj Pande said on Wednesday.

He was addressing a gathering at the Army Institute of Technology (AIT) in Pune where he presided over the institution's 29th foundation day ceremony.

The Army Chief said in his address: "The ongoing Russia-Ukraine conflict has brought to fore several key facets such as the impact of asymmetric warfare, potential of information warfare, digital resilience, weaponisation of economic mechanism, communication redundancy, space-based systems and many more — all driven by position of technological prowess.

Today's security is therefore founded on the technological edge over the adversary. No country is willing to share the latest state-of-the-art technology. It is, hence, important to know that the security of the nation can neither be outsourced nor can be dependent on the largesse of others."

General Pande further said, "Self-sufficiency in critical technologies and investment in research and development is a strategic imperative that can no longer be ignored. The Indian Army is cognizant of all these realities. We have resolved to ensure that our capability development is based on the principle of self reliance and leveraging niche technologies. We are taking concrete steps on both these aspects. Capability development efforts are progressing in the edifice of our commitment to the vision of Atmanirbhar Bharat."

Speaking about the niche technologies with regard to the Army, Gen Pande said, "We have created Centres of Excellence to harness the potential of Artificial Intelligence, Data Analytics, 5G and Automation. In-house development of software with AI engine has begun to feature in our battlefield sensors. AI based tool for satellite imagery is part of our key pursuits. We are building gigabit networks by way of Network For Spectrum and pushing in high throughput systems to the forward areas through high capacity and Software Defined Radios."

He added: "Innovation for Defence Excellence – iDEX, projects are being pursued to leverage the competencies of start-ups, individual Innovators, MSMEs, R&D Institutes and Academia. Key projects under iDEX entail Quantum Key Distribution, UAVs, Drones, Counter-Drones and AI systems. Blockchain technology is being explored for efficient supply chain management. We are also focusing on training of our rank and file in the Cyber domain."

Gen Pande, himself an officer of the Corps of Engineers, further said in his speech, "You are aware that the pace of emergence of disruptive and new technologies is very fast in today's world. Quantum Computing, Artificial Intelligence, Machine Learning, Nano-Technology, 5G and Internet of Things...to name a few, are revolutionising all sectors. The speed of current innovative breakthroughs is immense. These have little historical precedent, as these are characterised by fusion of technologies, where the lines between physical, digital and biological spheres are becoming increasingly blurred. Almost all the

technologies, that I briefly mentioned, have potential military applications and are beginning to impact modern day warfare, in a disruptive manner.”

AIT is an undergraduate engineering college affiliated to the University of Pune for the ward of Army personnel and is located at Dighi Hills in Alandi Road area in Pune. It functions under the aegis of the Army Welfare Education Society (AWES) and has the Chief of Army Staff of the Indian Army as the President of its Board of Governors.

Lauding the AIT on its foundation day, the Army Chief said, “As a feeder institute for young techno-professionals for the nation, AIT has been contributing its part commendably for several years. Besides striving for academic excellence, the institute has also focused on other aspects of individual growth and all-round development of students.”

During the ceremony, the Army Chief presented a Lifetime Achievement Award to Baba Kalyani, Chairman of Kalyani Group and Chairman and Managing Director of Bharat Forge Limited.

Headline : Security of nation can neither be outsourced nor be dependent on largesse of others: Army chief General Pande

Domain : Daily Excelsior

Date : February 02, 2023

Edition: Pune

<https://www.dailyexcelsior.com/security-of-nation-can-neither-be-outsourced-nor-be-dependent-on-largesse-of-others-army-chief-general-pande/>

Chief of the Army Staff General Manoj Pande on Wednesday said no country is willing to share the latest, “state-of-the-art” technologies and it implies that the security of the nation can neither be outsourced nor be dependent on the largesse of others, highlighting the impact of asymmetric warfare and digital resilience.

He was speaking at the foundation day of the Army Institute of Technology in Maharashtra’s Pune city.

“The ongoing Russia-Ukraine conflict has brought to fore certain key facts such as the impact of asymmetric warfare, the potential of information warfare, digital resilience, weaponisation of economic mechanisms, communication redundancy, space-based system and many more, all are driven by possession of technology prowess,” he said.

Today’s security, therefore, is founded on the technological edge over the adversary, General Pande said.

“No country is willing to share the latest, state-of-the-art technologies, it hence implies that the security of the nation can neither be outsourced nor be dependent on the largesse of others. Self-sufficiency in critical technologies and investment in research and development is a strategic imperative that can no longer be ignored,” he said.

The Indian Army is cognisant of these realities, said General Pande, an alumnus of the National Defence Academy in the city.

“We have resolved to ensure that the development of our capabilities is based on the principles of self-reliance and leveraging niche technologies and the Indian Army is taking concrete steps on both these aspects,” he said.

Capacity development efforts are progressing on the edifice of the commitment to the vision of “atmanirbharta” (self-reliance), he said.

“The Indian industry has responded to the need of the hour, powered by young, creative professionals within a short period, an entire ecosystem of start-ups, supporting the defence industry, has come up in the country. This is a very reassuring development, through which the vision of ‘atmanirbharta’ is being realised,” he said.

Elaborating on niche technologies, the general said that they have created a centre of excellence to harness the potential of artificial intelligence, data analytics, 5G and automation.

He also said that in-house development of software with an AI engine has begun to feature in “our battlefield sensors”.

“AI-based tool for satellite imagery is part of our key pursuits. We are building gigabit networks by way of network for spectrum and pushing high throughput systems to the forward areas through high capacity and software-defined radios. Innovations for Defence Excellence (iDEX) projects are being pursued to

leverage the competencies of start-ups, individual innovators, MSMEs, R&D Institutes and academia,” he said.

He added that key projects under iDEX entail quantum key distribution, UAVs (unmanned aerial vehicles), drones, counter-drones, and AI systems.

Blockchain technology is being explored for efficient supply chain management, he said. “These are a few ways in our roadmap to shape the Indian Army into a future-ready, technologically driven, lethal, and agile force, capable of meeting future challenges in an effective manner,” he said.

Pande said that technology infusion and modernisation of the country’s warfare systems will remain an enduring pursuit. “Therefore, avenues in a large number of technological domains are open to young bright minds like you to step in and be a stakeholder in the capability development architecture of the Indian Army,” Pande said addressing the students at the engineering college.

The slogan “Jai Jawan, Jai Kisan, Jai Vigyan, Jai Anusandhan” given by Prime Minister Narendra Modi captures the contemporary reality aptly and underscores the importance of research and innovation, the Army chief added.

In his address at the event, industrialist Baba Kalyani expressed his admiration for the Indian Armed Forces and said that Indian defence industries have transitioned from being importers to exporters of advanced weapon systems.

Kalyani asserted that India would lead on the global platform by the next decade “because of its five key strengths – economy, structural reforms, technology-enabling manufacturing evolution, ‘India First’ diplomacy, and ‘Being Young’”.

The industrialist said he is confident India will be a \$33-trillion economy by 2047.



Headline : Security of nation can neither be outsourced nor be dependent on largesse of others: Army chief General Pande

Domain : Bharat Times

Date : February 02, 2023

Edition: Pune

Major Army staff general Manoj Pandey Said on Wednesday that no country is ready to share the latest, “state-of-the-art” technologies and implied that the nation’s security can neither be outsourced nor depend on the generosity of others, asymmetric Reveals the effects of war. and digital flexibility. He was speaking on the foundation day of the Army Institute of Technology in Maharashtra’s Pune city. “The ongoing Russia-Ukraine conflict has brought to the fore some key facts such as the impact of asymmetric warfare, information warfare capabilities, digital resilience, weaponisation of the economic system, communication redundancy, space-based systems and many more, all driven by technology prowess from possession,” he said. Therefore, today’s security is based on technological edge over the adversary, Gen Pandey said. “No country is willing to share the latest, cutting-edge technologies, so it implies that the nation’s security can neither be outsourced nor depend on the generosity of others. Self-reliance in critical technologies And investing in research and development is a strategic imperative that can no longer be ignored.” General Pandey, an alumnus of the Indian Army, said that the Indian Army is aware of these realities. National Defense Academy in city. “We have resolved to ensure that the development of our capabilities is based on the principles of self-reliance and leveraging specialized technologies and the Indian Army is taking concrete steps on both these aspects,” he said. He said that the capacity development efforts are progressing on the building blocks of commitment towards the vision of “Atmanirbharta” (self-reliance). “Indian industry has responded to the need of the hour, within a short span of time, driven by young, creative professionals, an entire ecosystem of start-ups supporting the defense industry has come up in the country. This is a very reassuring development , through which the vision of ‘self-reliance’ is being realised,” he said. Elaborating on specific technologies, the General said that they have created a center of excellence to harness the potential of artificial intelligence, data analytics, 5G and automation. He also said that in-house development of software with AI engines has begun to be incorporated into “our battlefield sensors”. “AI-based tools for satellite imagery are part of our core activities. We are building gigabit networks for spectrum and pushing high-capacity and high-throughput systems into frontier areas through software-defined radio. Innovations for Defense Excellence (IDEX) projects are being pursued to leverage the competencies of start-ups, individual innovators, MSMEs, R&D institutions and academia,” he said. He said the major projects under IDEX include quantum key distribution, UAVs (Unmanned Aerial Vehicles), drones, counter-drones and AI systems. Blockchain technology is being explored for efficient supply chain management, he said. “These are some of the ways in our roadmap to shape the Indian Army into a future-ready, technologically driven, lethal and agile force, capable of effectively meeting the challenges of the future,” he added. Pandey said that technology infusion and modernization in the country’s combat system would be a permanent endeavour. “Therefore, avenues in a large number of technical domains are wide open for young bright minds like you to become a stakeholder in the capability development architecture of the Indian Army,” Pandey said while addressing the students at the engineering college. Slogan “Jai Jawan, Jai Kisan, hail scienceJai Anusandhan” given by the Prime Minister [Narendra Modi](#) The

Army Chief said that it captures the contemporary reality well and underlines the importance of research and innovation.

Industrialist in his address at the program [Baba Kalyani](#) Expressed his admiration for the Indian Armed Forces and said that the Indian defense industry has turned from an importer to an exporter of advanced weapon systems.

Kalyani asserted that India will lead on the global stage for the next decade because of its five key strengths – economy, structural reforms, technology-enabled manufacturing growth, ‘India first’ diplomacy and ‘being young’.

The industrialist said he is confident that India will become a \$33 trillion economy by 2047.

Headline : Security of nation can neither be outsourced nor be dependent on largesse of others: Army chief General Pande

Domain : Pehal News

Date : February 02, 2023

<https://www.pehalnews.in/security-of-nation-can-neither-be-outsourced-nor-be-dependent-on-largesse-of-others-army-chief-general-pande-india-news-times-of-india/2796916/?amp>

Chief of the Army Staff General Manoj Pande on Wednesday said no country is willing to share the latest, "state-of-the-art" technologies and it implies that the security of the nation can neither be outsourced nor be dependent on the largesse of others, highlighting the impact of asymmetric warfare and digital resilience. He was speaking at the foundation day of the Army Institute of Technology in Maharashtra's Pune city.

"The ongoing Russia-Ukraine conflict has brought to fore certain key facts such as the impact of asymmetric warfare, the potential of information warfare, digital resilience, weaponisation of economic mechanisms, communication redundancy, space-based system and many more, all are driven by possession of technology prowess," he said. Today's security, therefore, is founded on the technological edge over the adversary, General Pande said. "No country is willing to share the latest, state-of-the-art technologies, it hence implies that the security of the nation can neither be outsourced nor be dependent on the largesse of others. Self-sufficiency in critical technologies and investment in research and development is a strategic imperative that can no longer be ignored," he said.

The Indian Army is cognisant of these realities, said General Pande, an alumnus of the National Defence Academy in the city.

"We have resolved to ensure that the development of our capabilities is based on the principles of self-reliance and leveraging niche technologies and the Indian Army is taking concrete steps on both these aspects," he said.

Capacity development efforts are progressing on the edifice of the commitment to the vision of "atmanirbharta" (self-reliance), he said. "The Indian industry has responded to the need of the hour, powered by young, creative professionals within a short period, an entire ecosystem of start-ups, supporting the defence industry, has come up in the country. This is a very reassuring development, through which the vision of 'atmanirbharta' is being realised," he said. Elaborating on niche technologies, the general said that they have created a centre of excellence to harness the potential of artificial intelligence, data analytics, 5G and automation. He also said that in-house development of software with an AI engine has begun to feature in "our battlefield sensors".

"AI-based tool for satellite imagery is part of our key pursuits. We are building gigabit networks by way of network for spectrum and pushing high throughput systems to the forward areas through high capacity and software-defined radios. Innovations for Defence Excellence (iDEX) projects are being pursued to leverage the competencies of start-ups, individual innovators, MSMEs, R&D Institutes and academia," he said.

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Pande said that technology infusion and modernisation of the country's warfare systems will remain an



enduring pursuit. "Therefore, avenues in a large number of technological domains are open to young bright minds like you to step in and be a stakeholder in the capability development architecture of the Indian Army," Pande said addressing the students at the engineering college. The slogan "Jai Jawan, Jai Kisan, Jai Vigyan, Jai Anusandhan" given by Prime Minister Narendra Modi captures the contemporary reality aptly and underscores the importance of research and innovation, the Army chief added. In his address at the event, industrialist Baba Kalyani expressed his admiration for the Indian Armed Forces and said that Indian defence industries have transitioned from being importers to exporters of advanced weapon systems. Kalyani asserted that India would lead on the global platform by the next decade "because of its five key strengths - economy, structural reforms, technology-enabling manufacturing evolution, 'India First' diplomacy, and 'Being Young'". The industrialist said he is confident India will be a \$33-trillion economy by 2047.

Headline : Security of nation can neither be outsourced nor be dependent on largesse of others: Army chief General Pande

Domain : Kashmir Vision

Date : February 02, 2023

<https://kashmirvision.in/2023/02/02/security-of-nation-cannot-be-outsourced-army-chief/>

Chief of the Army Staff General Manoj Pande on Wednesday said no country is willing to share the latest, “state-of-the-art” technologies and it implies that the security of the nation can neither be outsourced nor be dependent on the largesse of others, highlighting the impact of asymmetric warfare and digital resilience.

He was speaking at the foundation day of the Army Institute of Technology in Maharashtra’s Pune city.

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Capacity development efforts are progressing on the edifice of the commitment to the vision of “atmanirbharta” (self-reliance), he said. “The Indian industry has responded to the need of the hour, powered by young, creative professionals within a short period, an entire ecosystem of start-ups, supporting the defence industry, has come up in the country. This is a very reassuring development, through which the vision of atmanirbharta’ is being realised,” he said.

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Pande said that technology infusion and modernisation of the country’s warfare systems will remain an enduring pursuit. “Therefore, avenues in a large number of technological domains are open to young bright minds like you to step in and be a stakeholder in the capability development architecture of the Indian Army,” Pande said addressing the students at the engineering college.

The slogan “Jai Jawan, Jai Kisan, Jai Vigyan, Jai Anusandhan” given by Prime Minister Narendra Modi captures the contemporary reality aptly and underscores the importance of research and innovation, the Army chief added.

In his address at the event, industrialist Baba Kalyani expressed his admiration for the Indian Armed Forces and said that Indian defence industries have transitioned from being importers to exporters of advanced weapon systems.

Kalyani asserted that India would lead on the global platform by the next decade “because of its five key strengths economy, structural reforms, technology-enabling manufacturing evolution, India First’ diplomacy, and Being Young”.

The industrialist said he is confident India will be a \$33-trillion economy by 2047.

Headline : Security of nation can neither be outsourced nor be dependent on largesse of others: Army chief General Pande

Domain : Best Current Affairs

Date : February 02, 2023

<https://bestcurrentaffairs.com/army-institute-of-technology-pune-celebrates-its-29th-foundation-day/>

Army Institute of Technology, Pune celebrated its 29th Foundation Day on Wednesday, February 01, 2023. The institute also celebrated silver jubilee of passing out of first batch of engineers which graduated in the year 1998. Army Chief Gen Manoj Pande, PVSM, AVSM, VSM, ADC, COAS, graced the special occasion as the Chief Guest.

Brig Abhay Bhat, Director, AIT welcomed all the dignitaries, invitees and award winners. He presented a brief review about the achievements and progress of AIT made in the previous year. He highlighted the excellent placements of AIT students this year matching colleges like College of Engineering, Pune. He also highlighted the achievements of distinguished alumni and faculty. He mentioned that AIT is planning substantial horizontal and vertical growth in the next few years.

On this occasion, AIT conferred the prestigious Life Time Achievement Award to Padma Bhushan Babasaheb Kalyani, Founder and Chairman of Kalyani Group. Its flagship company Bharat Forge Ltd., the world's largest forging company is a major contributor to the nation's effort to become Atmanirbhar. It is a manufacturer as well as an exporter of defense equipment, which includes world's most modern artillery gun system, indigenous Heavy Quick Reaction Fighting vehicles, Ammunition missiles and Air Defense Systems.

In his address, Padma Bhushan Babasaheb Kalyani expressed his admiration towards Indian Armed Forces and said that today Indian defense industries have transitioned from being importers to exporters of advanced weapon systems. He asserted that India as a nation will lead on Global Platform by next decade because of 5 key strengths – Indian Economy, Structural Reforms done, Technology enabling manufacturing evolution, “India First” diplomacy and “Being Young” . He said that he is confident that India will be a 33 trillion economy by 2047.

During the event, Successful Young Alumni Entrepreneur Award was presented to Mr. Sameer Maini, alumnus from the first batch of AIT (Electronics and Telecommunication). He is the Founder and CEO of Collaborationroom.AI, Washington, a US based company.

Mr. Sameer Maini expressed his gratitude and further added that whatever he is today, is because of contribution of his Alma Mater in his personal and professional development. Finally he told the students to enjoy every moment of college life.

The ceremony continued with presenting the awards to the meritorious students, teaching and nonteaching staff at the hands of the chief guest Gen Manoj Pande, PVSM, AVSM, VSM, ADC, COAS. The Chief of Army Staff Best All Rounder amongst students Trophy was awarded to Akash Bhati of Information Technology. Rajshekhar trophy for best sports person was awarded to Bhavna Nimmagadda of Computer Engineering. The Rajput Regiment trophy for best Innovation was awarded to Abhinav Pratap Chauhan of Information Technology.

Amongst the faculty, Dr Sagar Rane was felicitated with Best Teacher as well as Best Research Award, Mrs Swati Salunkhe was awarded as Best Non-Teaching Technical Staff Award, while Mr Avinash Bhosale was given the Best Non-Teaching Staff Award.

Chief Guest, Gen Manoj Pande, PVSM, AVSM, VSM, ADC, COAS, congratulated all the award winners and the first batch of AIT on completing 25 years of graduation. He expressed his satisfaction that AIT has evolved into an Institute of Excellence and is rated amongst top 200 engineering colleges. He further said that it is heartening to know that a large proportion of Alumni have taken the path of entrepreneurship and are running successful startups. He mentioned that AI/ML, IoT, 5G, Quantum Computing are few of the key technologies revolutionizing all sectors and have potential military applications to impact modern day warfare in a disruptive manner. He added that key projects under Innovation for Defense Excellence (iDEX) are being pursued to leverage competency of Startups, Individual innovators, MSMEs, R&D institutes and Academia. This constitutes our roadmap to shape the Indian Army into future ready, technologically driven, lethal and agile force. He concluded with a quote by Dr APJ Abdul Kalam, "Dreams are not those which you see while sleeping, but are those which don't let you sleep, before fulfilling them.

During the function, various scholarships sponsored by organizations such as TATA, ZS Associate, Persistent Foundation, Horizon Group, Badve Group, Hashmap, Udchalo Group, and New Indian Express, were distributed at the hands of respective company officials.

Vote of thanks was given by Chairman of AIT Management Committee, Maj Gen TS Bains of HQ Southern Command.

Present at the occasion were Maj Gen RK Raina, VSM, MD, AWES, many serving and retired officers, industry representatives, parents, alumni, students and employees of AIT.

Headline : Security of Nation Can Neither Be Outsourced nor Be Dependent on Largesse of Others: Army Chief Gen Pande

Domain : IDRW

Date : February 02, 2023

<https://idrw.org/security-of-nation-can-neither-be-outsourced-nor-be-dependent-on-largesse-of-others-army-chief-gen-pande/>

Chief of the Army Staff General Manoj Pande on Wednesday said no country is willing to share the latest, “state-of-the-art” technologies and it implies that the security of the nation can neither be outsourced nor be dependent on the largesse of others, highlighting the impact of asymmetric warfare and digital resilience.

He was speaking at the foundation day of the Army Institute of Technology in Maharashtra’s Pune city. “The ongoing Russia-Ukraine conflict has brought to fore certain key facts such as the impact of asymmetric warfare, the potential of information warfare, digital resilience, weaponisation of economic mechanisms, communication redundancy, space-based system and many more, all are driven by possession of technology prowess,” he said.

Today’s security, therefore, is founded on the technological edge over the adversary, General Pande said.

“No country is willing to share the latest, state-of-the-art technologies, it hence implies that the security of the nation can neither be outsourced nor be dependent on the largesse of others. Self-sufficiency in critical technologies and investment in research and development is a strategic imperative that can no longer be ignored,” he said.

The Indian Army is cognisant of these realities, said General Pande, an alumnus of the National Defence Academy in the city.

“We have resolved to ensure that the development of our capabilities is based on the principles of self-reliance and leveraging niche technologies and the Indian Army is taking concrete steps on both these aspects,” he said.

Capacity development efforts are progressing on the edifice of the commitment to the vision of “atmanirbharta” (self-reliance), he said. “The Indian industry has responded to the need of the hour, powered by young, creative professionals within a short period, an entire ecosystem of start-ups, supporting the defence industry, has come up in the country. This is a very reassuring development, through which the vision of ‘atmanirbharta’ is being realised,” he said.

Elaborating on niche technologies, the general said that they have created a centre of excellence to harness the potential of artificial intelligence, data analytics, 5G and automation.

He also said that in-house development of software with an AI engine has begun to feature in “our battlefield sensors”.

“AI-based tool for satellite imagery is part of our key pursuits. We are building gigabit networks by way of network for spectrum and pushing high throughput systems to the forward areas through high capacity and software-defined radios. Innovations for Defence Excellence (iDEX) projects are being pursued to leverage the competencies of start-ups, individual innovators, MSMEs, R&D Institutes and academia,” he said.

He added that key projects under iDEX entail quantum key distribution, UAVs (unmanned aerial vehicles), drones, counter-drones, and AI systems. Blockchain technology is being explored for efficient supply chain management, he said.

“These are a few ways in our roadmap to shape the Indian Army into a future-ready, technologically driven, lethal, and agile force, capable of meeting future challenges in an effective manner,” he said.

Pande said that technology infusion and modernisation of the country’s warfare systems will remain an enduring pursuit. “Therefore, avenues in a large number of technological domains are open to young bright minds like you to step in and be a stakeholder in the capability development architecture of the Indian Army,” Pande said addressing the students at the engineering college.

The slogan “Jai Jawan, Jai Kisan, Jai Vigyan, Jai Anusandhan” given by Prime Minister Narendra Modi captures the contemporary reality aptly and underscores the importance of research and innovation, the Army chief added.

In his address at the event, industrialist Baba Kalyani expressed his admiration for the Indian Armed Forces and said that Indian defence industries have transitioned from being importers to exporters of advanced weapon systems.

Kalyani asserted that India would lead on the global platform by the next decade “because of its five key strengths – economy, structural reforms, technology-enabling manufacturing evolution, ‘India First’ diplomacy, and ‘Being Young’”.

The industrialist said he is confident India will be a \$33-trillion economy by 2047.

Headline : Security of Nation Can Neither Be Outsourced nor Be Dependent on Largesse of Others: Army Chief Gen Pande

Domain : Verve Times

Date : February 02, 2023

<https://vervetimes.com/security-of-nation-can-neither-be-outsourced-nor-be-dependent-on-largesse-of-others-army-chief-gen-pande/>

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The Indian Army is cognisant of these realities, said General Pande, an alumnus of the National Defence Academy in the city.

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Pande said that technology infusion and modernisation of the country’s warfare systems will remain an enduring pursuit. “Therefore, avenues in a large number of technological domains are open to young bright minds like you to step in and be a stakeholder in the capability development architecture of the Indian Army,” Pande said addressing the students at the engineering college.

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Headline : Nation's security cannot be outsourced, says Army chief

Domain : The News Now

Date : February 02, 2023

<https://www.thenewsnow.co.in/newsdet.aspx?q=149994>

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