

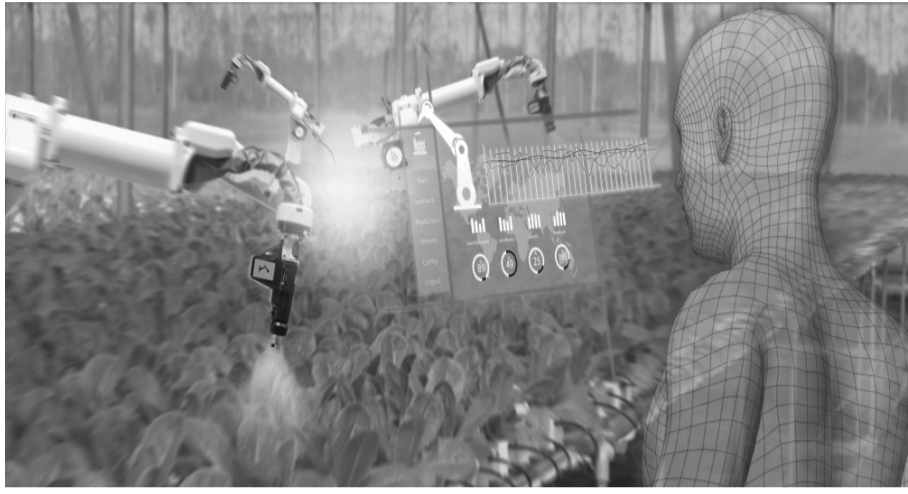
IT matters

AI-based robots deployed to boost agri output

Tokyo: Smart agriculture is increasingly being employed in Japan, arousing expectations that producers will be able to entrust artificial intelligence with more labor-intensive tasks to alleviate severe manpower shortages.

Prefecture, eastern Japan, gathering only the ripest cucumbers. "We were initially afraid that the robot might cut off the cucumber stems, but it moves accurately," said Takeshi Yoshida, head of the farm called Takamiya No Aisai.

harvester from Agrist, which has been developing harvesting robots since its founding in 2019 in the southwestern Japan prefecture of Miyazaki. The robot checks the size of cucumbers based on images it captures from a camera mounted on the robot, recognizing ripe ones and cutting off one to three spheres roughly every two minutes before placing them in a case.



Kanagawa Prefecture, near Tokyo, has leased an AI-equipped robot to a farm in the Netherlands. It can automatically pick cherry tomatoes in bunches or individually, depending on the mechanism employed.

stems, harvesting robots require a complicated mechanism, making it costly when developing ones that can carry out the entire process. Inaho has therefore developed a robot that reaps some 40 percent of matured tomatoes at night and leaves the rest

for harvesting by humans during the daytime. Starting with the Netherlands, which is an agri-food powerhouse, Inaho hopes to export its smart agriculture technology around the world. It is pertinent to note that the United

How is AI used in farming? AI algorithms can analyze the chemical composition of soil samples to determine which nutrients may be lacking. AI can also identify or even predict crop diseases. AI in irrigation is useful for identifying optimal patterns and nutrient application times, while predicting the optimal mix of agronomic products

AI driven India soon AI can help detect field boundaries and bodies of water to enable sustainable farming practices, improve crop yields, and support India's 1.4 billion people and the rest of the world.

Examples of artificial intelligence on farms include self-driving tractors and combine harvesters, robot swarms for crop inspection and autonomous sprayers

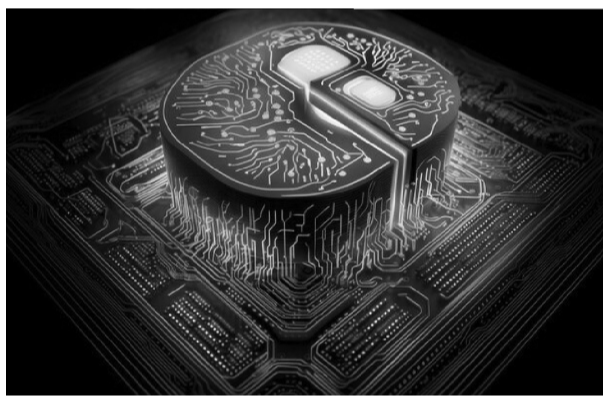
Brazil, one of the world's largest agricultural producers, is also adopting AI in its agriculture sector. The country is using AI to monitor crops, manage resources, and predict yields. Companies like Strider, a Brazilian AgTech company, are using AI to help farmers manage pests and diseases.

States and China remain at the forefront of AI investment, with the former leading overall

since 2013 with nearly \$250 billion invested in 4,643 companies cumulatively

Hardware key to success of neuromorphic computing

Technology is edging closer and closer to the super-speed world of computing with artificial intelligence. But is the world equipped with the proper hardware to be able to handle the workload of new AI technological breakthroughs?



"The brain-inspired codes of the AI revolution are largely being run on conventional silicon computer architectures which were not designed for it," explains Erica Carlson, 150th Anniversary Professor of Physics and Astronomy at Purdue University.

theoretical scientist of this research, "neuromorphic architectures hold promise for lower energy consumption processors, enhanced computation, fundamentally different computational modes, native learning and enhanced pattern recognition."

both artificial neurons and synapses. "The dissonance between hardware and software is the origin of the enormously high energy cost of training, for example, large language models like ChatGPT," explains Carlson.

the competing design needs of artificial synapses and neurons mean that most materials that make good synaptors fail as neuristors, and vice versa. Only a handful of materials, most of them quantum materials, have the demonstrated ability to do both."

The team relied on a recently discovered type of non-volatile memory which is driven by repeated partial temperature cycling through the insulator-metal transition. This memory was discovered in vanadium oxides.

Alexandre Zimmers, lead experimental scientist from Sorbonne University and École Supérieure de Physique et de Chimie Industrielles, Paris, explains, "Only a few quantum materials are good candidates for future neuromorphic devices, i.e., mimicking artificial synapses and neurons. For the first time, in one of them, vanadium dioxide, we can see optically what is changing in the material as it operates as an artificial synapse.

the sample, rather than only at the boundaries of domains," explains Carlson. "The memory appears as shifts in the local temperature at which the material transitions from insulator to metal upon heating, or from metal to insulator upon cooling. We propose that these changes in the local transition temperature accumulate due to the preferential diffusion of point defects into the metallic domains that are interwoven through the insulator as the material is cycled partway through the transition."

NAME CHANGE I, MANAPPALLI KRISHNAN SURESH, S/O. Manappalli Narayanaswamy Krishnan, Date of Birth 18.01.1968 Residing at Old No.46, New No: 97, Poes Road, Teynampet, Chennai - 600018 Shall henceforth be known as MANEPALLI KRISHNAN SURESH

NAME CHANGE I, A.Humaira Sanofer, Husband Name: Nasar Shareef, Date of Birth: 14.8.1988, Residing at No.158/50 Pallinathar Street, New Kamraj Nagar Vyasaradi, Chennai- 600039. Shall henceforth be known as HUMAIRA SANOBER NASAR SHAREEF

NAME CHANGE I, Asha Sendhil Kumar, W/O : S. Sendhil Kumar, Date of Birth: 25.11.1985, Residing at F1, Sri Ayappan's Shree Flats, No.32, Bharathiyar street, Senthil Nagar, Thirumullaivoli, Chennai-600 062. Shall hence forth be known as New name: Asha Aji Mohideen Given name: Asha Surname: Aji Mohideen

ERP SOFT SYSTEMS LIMITED

Table with financial data for ERP SOFT SYSTEMS LIMITED, including Total Income from Operations, Net Profit/Loss, and Earnings Per Share for the quarter ended 30.09.2023.

Table with financial data for TULSYAN NEC LIMITED, including Total Income from Operations, Net Profit/Loss, and Earnings Per Share for the quarter ended September 30, 2023.

NAME CHANGE I, V.GEETHA, D/O.PVELU, Residing at 48 & 49, F3, Aspire Apartments, Munusamy Street, Venkateswara Nagar, Virugambakkam, Chennai - 600092, have Changed my Minor Son's Initial, G.VISVESH, Date of Birth 11.04.2014, Henceforth he Shall be Known as G.VISVESH instead of M.VISVESH.

NAME CHANGE My Son, SURESH MITHUN, Date of Birth 04.01.2010, Residing at Old No:46, New No: 97, Poes Road, Teynampet, Chennai - 600018 Shall henceforth be known as MANEPALLI SURESH MITHUN

NAME CHANGE I, S K PRIYANKA, D/o. Kirubanathan, Date of Birth: 05/01/2000, (Native: Chennai) residing at No.8/19, Gandhi Street, Venuvampet, Madipakkam, Chennai Tamilnadu- 600091 shall henceforth be known as Given Name: PRIYANKA Surname: KIRUBANATHAN

NAME CHANGE I, AVERIL DAWN LLOYD, W/O. Mr. Raymond Albert Douyere, Date of Birth: 09.09.1978, Residing at No: 10-A, J. J. Nagar, Madhavaram, Chennai - 600060, Shall henceforth be known as AVERIL DOUYERE

NAME CHANGE I, Old Surname: Abubacker, Old Given name: Yaser Arfath, S/o. Anser Ahmed, Date of Birth: 06.05.1983, residing at No.51/56, M.R.Street, Perambur - 635 810, Vellore District, Tamil Nadu, shall hence forth be known as New Sur name: ABUBAKKAR, New Sur name: YASER ARFATH S/O. Anser Ahmed

NAME CHANGE I, Mohammed Nasar MD Yusuf, Date of Birth: 04.11.1993, Residing at No.3/228 (3) Pandiyan Salai, Neelankarai, Chennai - 600 041 Shall henceforth be known as Mohammed Nasar Mohammed Yusuf

NAME CHANGE I, Mohamed, S/O. Sheik Mohamed, Date of Birth: 29/03/1961, Residing at New No.2/8, Old No.99/2, Dr.Besant Road, Royapettah, Chennai -600014. Shall henceforth be known as Mohamed Musthaba Sheik Mohamed

NAME CHANGE My Son, M.SAI VISHVESH, S/o. Swaminathan Balaram, Date of Birth: 15.05.2014, Residing at No.7/3, Vedavillas 1st Lane, Baroda Street, West mambalam, Chennai - 600 033. Shall henceforth be known as VEDANTRAYAR SWAMINATHAN

NAME CHANGE I, GOVINDASAMY S/O. PARTHASARATHI, Residing at No:4/179, Kulakkarai Street, Orathy, Kanchipuram, Pincode - 603 307. Changed My Minor Son's Name: Old Given Name: KRISH, Old Sur Name:GOVIND, Date of Birth 07.11.2017, Shall henceforth be Known as New Given Name: KRISH, New Sur Name: GOVINDASAMY

NAME CHANGE I, SURESH KARISHMA, D/O Manepalli Krishnan Suresh, Date of Birth 02.06.2003, Residing at Old No:46, New No: 97, Poes Road, Teynampet, Chennai - 600018 Shall henceforth be known as MANEPALLI SURESH KARISHMA

NAME CHANGE I, MANICKAM MANI, S/o: Manickam, Date of Birth: 17/02/1953, Residing at No. 28, South Street, Kolluruppu, Melakuppam Post, Vridhachalam Taluk - 607802, Cuddalore District, Shall henceforth be known as Given name : MANI, Surname : MANICKAM

NAME CHANGE I, Old Given Name: Mohamed Abdul Kareem, S/O.Mohamed Sali, DATE OF BIRTH: 15/06/1963, residing at Old No. 04, New No.07, Ayyasamy Street, Poodu, Anna Salai, Chennai 600 022, Tamil Nadu, Shall henceforth be known as NEW GIVEN NAME:ABDUL KAREEM.

NAME CHANGE My Son, Old Given Name : ABISHEK ATHREYA, Old Sur Name : Date of Birth: 02.04.2006, Residing at No.24/1, New No.6, Krishnamurthy Street, West Mambalam, Chennai-600 033. Shall henceforth be known as New Given Name : ABISHEK ATHREYA, New Sur Name: GOPALAKRISHNAN

NAME CHANGE I, SRIRAMRAO SRINIVASAN, S/O: Srinivasan, Date of Birth: 09.04.1994, Residing at No. 859, 36th Street, TNHB, Korattur, Chennai - 600080. Shall henceforth be known as SRIRAMRAO RAMDEV

NAME CHANGE I, SURESH MAHESWARI, W/O Manepalli Krishnan Suresh, Date of Birth 16.03.1973, Residing at Old No:46, New No: 97, Poes Road, Teynampet, Chennai - 600018 Shall henceforth be Known as MANEPALLI SURESH MAHESWARI

PUBLIC NOTICE Notice is hereby given that I, Mr.Rajamani S/o Muthusamy misplaced my property parent form 4 Patta. The same has been given by Zonal Deputy Thasildar, Natham Scheme, Kalasappakkam bearing Patta No.410 situated at New SF.No: 443/11 Old SF.No:131/54 in Padagam Village in the name Mr.Muthusamy, S/o.Mannugounder. If anybody finds, they are requested to return it to the below address. And now the property mentioned in the above to be mortgaged to M/s.Mahindra Rural Housing Finance Ltd.

NAME CHANGE I, SURESH MAHESWARI, W/O Manepalli Krishnan Suresh, Date of Birth 16.03.1973, Residing at Old No:46, New No: 97, Poes Road, Teynampet, Chennai - 600018 Shall henceforth be Known as MANEPALLI SURESH MAHESWARI

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PUBLIC NOTICE Any person having claims, objections regarding mortgage, charge or otherwise are requested to inform the same to M/s. Mahindra Home finance, No 480, 4th Floor, Khivara Complex - II, Anna Salai, Nandanam, Chennai 600 035 within 7 days from the date of the notice. If not such an objection or claim is received within the period, the property would be mortgaged to M/s.Mahindra Rural Housing Finance Ltd., By, Mr. Rajamani S/O.Muthusamy, Padagam Village, Kalasappakkam Taluk. 15th November 2023

District Town and Country Planning Authority, Chengalattu District, Roc No.3505/2023/MLPA (CD-5) Reclassification District Town and Country Planning Chengalattu, Mamallapuram Local Planning Authority, Chengalattu District, Thirupur Taluk and Panchayat Union, Muttukadu Panchayat and Village, Survey No: 10/1A, 1B, 2, 13/1A, 1B, 1C, 2A, 2B, 12A and 15/1B - Total area 1.30 Acre (6100.00 sq.m) are classified as Agricultural Use Zone as per Approved Mamallapuram Local Planning Authority Area Master Plan in G.O.Ms.No.153, Housing and Urban Development Department [UD4(2)] dated 20.06.2013. The Land owner of the above have submitted an application to the Government to reclassify the above land from Agricultural Use Zone into Residential Use Zone. Hence, if anybody is having any objections or suggestions regarding the above subject, please convey in person or sent through by post within the 30 days to the following address:

PUBLIC NOTICE M/s.Madha Fabs, Regd.Office & factory unit at No.8, Golden Industrial Estate Main Road, Sri Lakshmi Nagar, Mugaiyavkkam, Chennai - 600125 of its partner and property owner Thiru J.Anto Shebin reportedly have misplaced the Registered Duplicate Copy of the Sale Deed dated:10.08.2009, Doc.No. 1823/2009 on the file of the SRO, Alandur, executed by Mr.D.Ranganathan & Mr.R.Harish in favour of Mr.N.Ganesan & Tmt G.Lalitha, relating to the property at Flat No.S1, Second Floor, having a super plinth area of about 990 sq.ft with undivided share of 621 sq.ft land at Plot no:4, First Street, Kanniga Colony, Nanganallur, Chennai-600061 plotted in Survey No.61/4A, as per TSLR Extract T.S.No.68, Ward D, Block 12, Survey no.61/4L1 part, Thalakkananchery Village, Alandur Taluk, Chennai District owned by Mr J.Anto Shebin, as it could not be traceable. TIIC Ltd., Chennai Branch has proposed to take the said property as collateral security for Term loan sanctioned to M/s.Madha Fabs. If anybody has objection, kindly inform the same in writing within 7 days from this date to our Corporation with relevant documents and proof, otherwise it is constructed that no encumbrance on the said property and the property will be taken for mortgage by our Corporation.