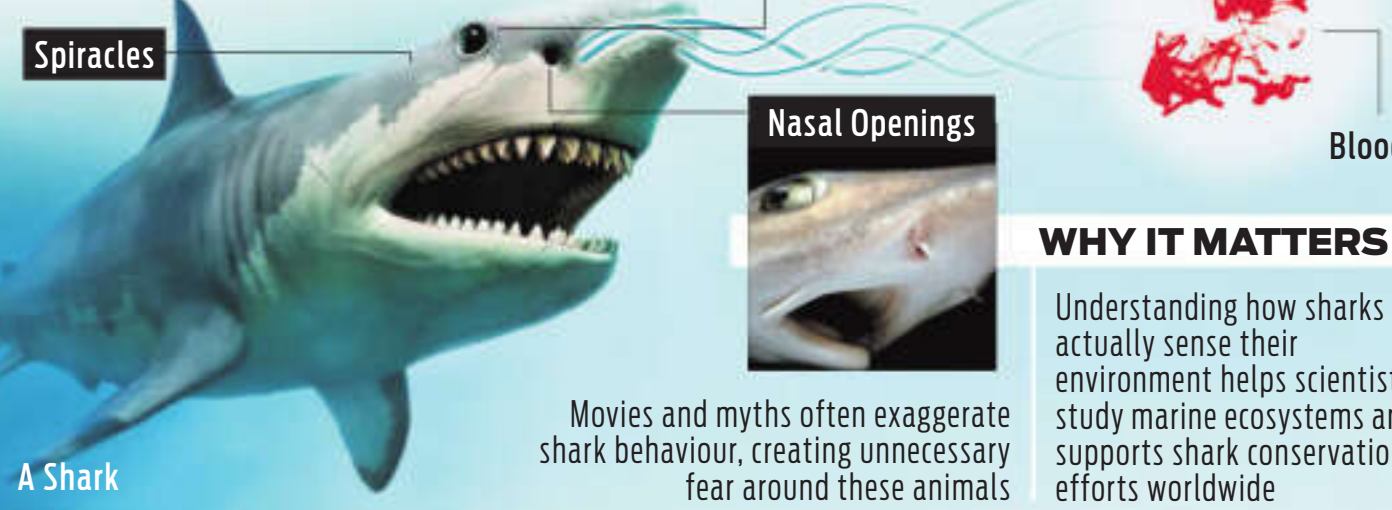


MYTHS & FACTS

Shark can smell a single drop of human blood from miles away

THINK AGAIN

THE FACT: Sharks have an extraordinary sense of smell, but they cannot instantly detect tiny amounts of blood from across the ocean



A Shark

Movies and myths often exaggerate shark behaviour, creating unnecessary fear around these animals

WHY IT MATTERS

Understanding how sharks actually sense their environment helps scientists study marine ecosystems and supports shark conservation efforts worldwide

WHAT'S REALLY HAPPENING

- 1 Sharks use highly sensitive olfactory organs to detect chemicals in water. They can sense amino acids and other compounds at extremely low concentrations, often compared to a single drop in an Olympic-sized swimming pool
- 2 Smell in water still follows the laws of physics. Scent molecules travel through ocean currents over time, meaning sharks cannot instantly smell blood from miles away unless the current carries those molecules directly toward them
- 3 Sharks are not specifically evolved to hunt humans. Most species prefer fish, seals and other marine animals

SCIENCE IN PLAIN SIGHT

WHY DO BIRDS FLY IN V FORMATIONS?

BIRDS fly in a V formation mainly to save energy during long journeys. As a bird flaps its wings, it creates swirling air currents called vortices. These currents produce an upward-moving flow of air, known as "upwash," behind the bird's wings. Birds flying slightly behind and beside another bird can use this upwash to gain extra lift, reducing the effort needed to flap their wings. Studies show this formation can save trailing birds up to 10-14% of energy. Larger birds such as geese, pelicans, cranes and swans commonly use this strategy because their broad wings create stronger air currents. Birds also take turns leading the formation, as the front bird faces the greatest air resistance and tires more quickly



READER'S QUESTION

Engineering enters AI era

PREET Pratyush Mishra, asks: How will AI reshape the future of traditional Indian career paths like engineering?

For decades, engineering education followed a predictable pattern. Traditional branches like civil, mechanical and electrical engineering dominated before newer fields such as computer science, data science and machine learning emerged. Over time, students gravitated toward computer science because software jobs promised higher salaries. Today, AI is beginning to disrupt the software industry, especially routine programming work. Now, smaller groups using AI tools can achieve similar results much faster. AI can already generate large amounts of code, reducing demand for repetitive programming roles and changing the nature.

As a result, companies are increasingly valuing critical thinking, system design and problem-solving skills over traditional coding tests. Traditional engineering sectors, however, may experience AI differently. Fields such as civil, mechanical and electrical engineering still require human involvement in infrastructure, manufacturing and physical systems, where AI is more likely to improve productivity than replace workers entirely.

—Ramarao Kanneganti, founder of Aganitha AI Inc (as told to Siddhartha Gattimi)

SRI LOGANATHAN VELMURUGAN @Hyderabad

BEFORE ACs

COOLING WITHOUT SEALING

THE sun has set. Windows close, curtains are drawn and air conditioners hum across the city. As summers grow harsher, cooling has become less of a luxury than a necessity for many households. Yet architects and environmentalists say India's growing dependence on air conditioning is also reviving interest in older building techniques designed to reduce heat before machines became common.

Architect Murali Murugan tells TNIE that several traditional design elements still offer lessons for reducing indoor temperatures and improving ventilation, particularly in regions with hot climates.

One of the most common features in older South Indian homes, he says, was the courtyard, an open central space that improved air circulation inside the house. "Even a small 500 sq ft house in earlier times would have a tiny courtyard. That itself generated an air draft and improved comfort indoors," he says.

Building materials also played a role. Murali compares modern concrete roofs to a heated dosa pan that continues radiating heat long after sunset. Older homes often used tiled roofs, hay roofs or reed-based roofing systems that contained tiny air gaps, slowing heat transfer indoors.

Traditional mud walls, sometimes more than a foot thick, also reduced heat transfer more effectively than many thin concrete walls used today. Their porous nature allowed them to cool faster after absorbing heat.

Windows and shading systems were designed differently too. Wooden shutters reduced direct sunlight, while verandas, corridors and arches helped shield walls from heat gain. Older Indo-Saracenic and Mughal-era buildings often used high ceilings and ventilators to release rising hot air naturally.

Murali says some of these ideas are now reappearing in modern architecture through passive cooling techniques, reflective roofing, cavity walls and biophilic design. He points to architect Laurie Baker's rat-trap bond wall system, which creates air cavities within walls to improve insu-

lation and reduce heat transfer:

"In Rajasthan, clay pots were sometimes placed upside down on rooftops to create insulating air pockets. Madras Terrace roofs also used layered brick and lime systems that reduced indoor heat," Murali says.

At the same time, architects caution against romanticising older homes entirely. Traditional structures evolved under very different conditions, including lower urban density, larger land parcels and fewer multi-storey buildings. Many older homes also required regular maintenance and were not always affordable.

Modern apartment culture emerged partly because rapidly growing cities could no longer expand through large, low-rise housing patterns. Features such as courtyards, thick walls and large verandas are often difficult to incorporate into compact urban plots and high-rise apartments where developers prioritise floor space.

Still, researchers and urban planners say several climate-responsive ideas can be adapted to contemporary housing. Cross ventilation, shaded balconies, reflective roof coatings, insulated walls, better orientation to sunlight and increased tree



OLD MARVEL The picture shows a Chettinadu mansion in Tamil Nadu with courtyard and verandas



MODERN APARTMENTS TRAP MORE HEAT

Concrete absorbs and stores heat for long periods

cover are increasingly being studied as ways to reduce indoor heat and electricity consumption.

Murali says that even simple interventions can make a difference. "Reflective white roof coatings alone can reduce indoor temperatures by nearly three degrees Celsius in some cases," he points out.

Environmentalist Donthi Narasimha Reddy argues that dependence on air conditioning alone may become increasingly difficult to sustain as temperatures and electricity demand continue rising.

IN THE COURT OF THE VI ADDITIONAL DISTRICT & SESSIONS JUDGE D.K. AT MANGALORE
In M.V.C. No. 385/2023
Between: Tulasi And Sudhakar Babu & Another Respondents
NOTICE
To, Respondent No.1 Mr. Sudhakar Babu Ejari, S/o Esreeramu, Major, R/Rat. 12/253-1, Padhativedhi, Tadipatri, Ananthapura, Andhra Pradesh. Take notice that the petitioner has filed claim petition for the death of petitioner in Accident case now posted to 23-06-2026 for your appearance. You are hereby called upon to appear before the court at 11 a.m. on that date either personally or through pleader, failing which the matter will be decided in your absence placing you Ex-Parte.
By order of the Court
Given under my hand and the seal of this court 15th day of May 2026.
Sd/- Chief Ministerial Officer, Addl District & Sessions Judge Mangalore DK. Mangalore
Date: 13.05.2026 Sd/- P. B. Raj, Advocate for Plaintiff

TENDER NOTICE SEALED TENDERS INVITED FOR
TENDER FOR SUPPLY OF DIET IN GOVERNMENT GENERAL HOSPITAL, ADONI
TENDER NOTIFICATION NO. 02/2026
Sealed Tenders are invited for Supply of Diet to all Inpatients, Attendants and Duty Doctors of Government General Hospital, Adoni, for a period of two (02) years, in strict conformity with the Terms & Conditions, specifications, nutritive values, diet schedules and standards prescribed in the Tender Document and relevant Government Orders issued from time to time. For more visit www.kurnool.ap.gov.in
Sd/- Addl. DME/Superintendent Govt. General Hospital, Adoni Kurnool Dist. Sd/- Joint Collector & Chairman District Diet Management Committee (DDMC) Kurnool

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SCIENCE NEWS

Scientists spot Earth-like magnetic effect on Mars

NASA's MAVEN spacecraft has detected the Zwan-Wolf effect deep inside Mars' atmosphere for the first time, scientists reported. The phenomenon, previously observed around Earth's magnetic field, was spotted during a powerful solar storm in Mars' ionosphere below 200 km. Researchers say the discovery could improve understanding of how solar storms affect unmagnetised planets like Mars and may help explain how the Red Planet lost much of its atmosphere.

Antarctic ecosystems face new fungal risks

WARMING temperatures could expose Antarctica's tiny plant ecosystems to a growing fungal threat, according to a new study. Researchers found that plant-pathogenic fungi become more abundant and diverse as temperatures rise, with some Antarctic coastal soils projected to see fungal levels double by 2100 under high-emissions scenarios. Scientists warn that even a single new fungal species could severely damage Antarctica's fragile mosses and liverworts.

FIVE STAR BUSINESS FINANCE LIMITED
Corporate Office: New No.27, Old No.4, Taylors Road, Kilpauk, Chennai-600010. CIN: U65991TN1984PLC010844

PUBLIC AUCTION THROUGH BIDDING NOTICE - APPENDIX-IV-A [See provision to rule 8 (6)]
SALE NOTICE FOR SALE OF IMMOVABLE PROPERTY

Notice is hereby given to the public in general that the below mentioned Borrower/ co-borrower mortgaged the immovable property which is described hereunder to Five Star Business Finance Limited and the possession of the said immovable property (secured asset/ property) has been taken over by the Authorized Officer in accordance with the provisions of the SARFAESI Act 2002 and rules there to. The secured asset will be sold through public auction by bidding for realization of the loan dues, applicable interest, charges and costs etc., payable to Five Star Business Finance Limited as detailed below. The secured asset is being sold on and the bidding will be held on the dates mentioned below "AS IS WHERE IS", "AS IS WHAT IS", "WHATSOEVER THERE IS" AND "WITHOUT RECOURSE BASIS" under the rule number 8 (6) & 9(1) of the Security Interest (Enforcement) Rules (hereinafter referred to as the rules) and on the terms and conditions specified here-under:

S. No.	Name of the Branch & Account	Name of the Borrowers	Outstanding Amount & Demand Notice Date	Details of property	Reserve Price (INR) EMD/ Bid Increase Amount
1	Loan Agreement Number FSAPLANS000005021070 Five Star Business Finance Limited, Branch Address: D.No.13-3-425, 13-3-426, 2nd Floor, Srikantham Circle, Opp. APSRTC Bus Stand, Anantapuramu-515001 (A.P.) 9640012216/ 9391345701/ 9908658814	1. Mrs. Savarpalli Jahara (Borrower), Aged about 45 Years, W/o. Savarpalli Baba Fakhruddin, Door No.3-508-3, Krishnapuram, 1st Cross, Tadipatri Village, Anantapur District, Andhra Pradesh-515411. 2. Mr. Savarpalli Baba Fakhruddin (Co-Borrower), Aged about 55 Years, W/o. Savarpalli Hasan Saheb, Door No.3-508-3, Krishnapuram, 1st Cross, Tadipatri Village, Anantapur District, Andhra Pradesh-515411.	Rs.21,60,187/- (Rupees Twenty one Lakhs Sixty thousand and one hundred eighty seven only) as on 21.03.2024 and interest thereon. Demand Notice Date: 22.03.2024	All that piece and parcel of Land and Building bearing, Situated at Tadipatri Mandalam, Chukakuru Grama Panchayati, Grama Polam, Anantapur District, Comprised in S.No.268-A, Land measuring Ac. 0.30 cents and 1452 Sq.Yards. Bounded on the East by: Land in Same Sy.No. West by: 40ft wide Rasta, North by: Land of S.Nazim, South by: Land of S.Dishad. The above property are situated within the Registration District of Anantapur and Register Sub-District of Tadipatri.	Reserve Price: Rs.24,00,000/- (Rupees Twenty Four Lakhs only) EMD: Rs.2,40,000/- (Rupees Two Lakhs and forty Thousand Only) Bid Increase Amt.: Rs.10,000/- (Rupees Ten Thousand Only)

Date/ Time of Auction: 25.06.2026 from 10:30 A.M. to 01:00 P.M.
Date and Time of Inspection of the Property: on 23-06-2026 between 10:00 A.M. and 04:00 P.M.

Terms and Conditions of the Public Auction are as under: • Public Auction is being held on "AS IS WHERE IS, AS IS WHAT IS AND WITHOUT RECOURSE BASIS" and is being sold with all the existing and future encumbrances whether known or unknown to Five Star Business Finance Limited. The bid form, Declaration, General Terms and Conditions of Public Auction can be obtained from Office of Five Star Business Finance Ltd., at respective branch. • The Secured asset will not be sold below the Reserve price. • To the best of the knowledge and information of the Authorized Officer, there is no encumbrance on the properties. However, it is necessary that the intending bidders should make their own independent inquiries regarding any claims, charges, dues, encumbrances and should satisfy about the title, extent/ measurement of the property prior to submitting their bid. For any discrepancy in the property the participating bidder is solely responsible for all future recourses from the date of submission of bid. • No claim of whatsoever nature regarding the property put up for sale, charges/ encumbrances over the property or on any other matter etc will be entertained after submission of the bid. • The Authorized Officer will not be responsible for any charge, lien, encumbrance, property tax dues, electricity dues etc. or any other dues to the Government, local authority or anybody, in respect of the property under sale. • The Public Auction notice/ advertisement does not constitute and will not be deemed to constitute any offer, commitment or any representation of Five Star Business Finance Limited. The Authorized Officer shall not be responsible in any way for a third party claims/ rights/ dues. • The Sale shall be subject to the rules/ conditions prescribed under the SARFAESI Act 2002 and rules there to. • The interested bidders shall submit their bids along with EMD, which shall be payable only through D.D. in favour of "Five Star Business Finance Limited" payable at Chennai on or before the 24-06-2026 at about 5 P.M. • The Bids along with other documents must be submitted to the Authorized Officer in a sealed envelope mentioning Sl.No.1: "Offer for Purchase - Savarpalli Jahara Property" to reach the Authorized Officer on or before the last date of submission of the Bids. • The bidder is supposed to submit the following documents at the time of submission of the bid: (i) Proof of EMD paid (ii) copy of the PAN Card (iii) Proof of identification/ Address proof/ Aadhaar Card/ KYC (self-attested copies) without which the bid is liable to be rejected. • The bidder alone can participate in the public auction proceeding and no other person is permitted. • The successful Bidder must deposit the 25% of the purchase amount (after adjusting the EMD already paid) immediately upon the acceptance of the offer and declaration of the successful bidder by the Authorized officer, failing which the EMD paid shall be forfeited and cannot be claimed by the bidder from Five Star Business Finance Limited. • The balance 75% of the purchase amount must be deposited by the successful bidder within 30 days, failing which the amounts already deposited by the bidder shall stand automatically forfeited without further notice and no request for refunds whatsoever shall be entertained. Further, the property will be put to re-auction and the defaulting bidder shall have no claim/ right in respect of the property/ amount and will not be eligible to participate in the re-auction, if any. • No interest is applicable to EMD or any amount deposited by the bidders/ successful bidder in respect of sale of secured asset. • The Purchaser/ successful bidder shall bear the (a) applicable stamp duty/ registration/ transfer charges, (b) all the statutory, non-statutory, conversion, electricity, sewage charges, any dues, cess, fees, taxes, rates, assessment charges etc. owing to any person, association or authority shall be borne by the successful Bidder only. • Sale certificate shall be issued in the prescribed format in favor of successful bidder only. • The successful bidder shall bear the charges for conveyance, registration fee, stamp duty, taxes, fee etc. as applicable. • In case of sale of property subject to any encumbrances, the successful bidder/ purchaser shall deposit money required to discharge the encumbrance including interest, cost, expenses etc. if any to the Authorized officer. • In case if the public auction is stopped, stayed, postponed or rescheduled or cancelled, a public notice will be put on the notice board of Five Star Business Finance Limited, Tadipatri Branch and no personalized/ individual communication in this regard will be sent to any of the bidders or otherwise. • Submission of bid by the bidders is construed that they have read, understood and accepted the terms and conditions governing the public auction. • EMD of unsuccessful bidders shall be returned on the closure of auction proceedings. • The Authorized officer is not bound to accept the highest offer/ bid and the Authorized officer has absolute right to accept or reject any or all offer(s) or adjourn/ postpone/ cancel the public auction without assigning any reason therefor.

Date: 19-05-2026, Place: Anantapur Sd/- Authorized Officer, Five Star Business Finance Limited

SBI STATE BANK OF INDIA
STRESSED ASSETS RECOVERY BRANCH, 3rd Floor, Upstairs of KFC, Surya Prakash Square, Gurusankar Nagar Road, N.T.R. District, Vijayawada - 520008, A.P. Ph: 0866-2546922
Authorised Officer's Details: Name: Sri K.S.H Sastry (Chief Manager), Mobile No.89784 80704
For Property Inspection : 90040 84875

Appendix - IV - A
[See Proviso to Rule 8(6) R/W Rule 9(1)]
SALE NOTICE FOR SALE OF IMMOVABLE PROPERTIES
E-AUCTION SALE NOTICE FOR SALE OF IMMOVABLE ASSETS UNDER THE SECURITISATION AND RECONSTRUCTION OF FINANCIAL ASSETS AND ENFORCEMENT OF SECURITY INTEREST ACT, 2002 READ WITH PROVISIO TO RULE 8(6) R/W RULE 9(1) OF THE SECURITY INTEREST (ENFORCEMENT) RULES, 2002.
Notice is hereby given to the public in general and in particular to the Borrower that the below described immovable property mortgaged to the Secured Creditor, the Physical Possession of which has been taken by the Authorized Officer of State Bank of India, the Secured Creditor, will be sold on "As is Where is", "As is What is" "Whatever there is" and "Without recourse basis" on 29-06-2026. For recovery of Rs.29,36,703/- (Rupees Twenty Nine Lakhs Thirty Six Thousand Seven Hundred and Three Only) as on 05.12.2023 as per demand notice dated 05-12-2023 + further interest and other expenses, costs, charges etc. arising from 06.12.2023 (less repayments if any) due to the Secured Creditor from Borrower: Late Sri T. Mallikarjuna Rao, S/o. T. Sankaraiyah, Rep by Legal Heirs : 1. Smt. N. Varalakshmi, W/o. Late T. Mallikarjuna Rao, 2. Smt. T. Sneha, D/o. Late T. Mallikarjuna Rao. Address-1: Door No.18-1-90/944, Yashoda Nagar, ASR Colony, Tirupathi - 517501. Address-2: Flat No.101, Sri Lakshmi Srinivasa Towers Apartment, Thirumala Reddy Nagar, Thimminaiudupalem, Tirupathi - 517501.

SCHEDULE OF PROPERTY

A-Schedule : Covered under the Doc. No.5661/2017, Dated.15.12.2017: All that piece and part of the land is situated in Chittoor District, Sri Balaji Registration District Tirupati, Renigunta Sub-District, Tirupati Urban Mandal, Tirupathi Municipal Corporation Ward No.22, Block No.4, Locality of Tirumala Reddy Nagar Residential Area, Thimminaiudupalem Village accounts situated in Survey No.239/1, 239/2, 240/1, 242 and 244/1 having an extent of 427.5 sq. yards of site bearing Plot No. 11. The above said "Sri Lakshmi Srinivasa Towers" Apartment is constructed and located within the following Boundaries: East : Site bearing Plot No. 12, West : Site bearing Plot No. 10, North: Site in Survey No.244/1 belongs to P. Hanika, South: 40 feet wide Road.

In between this measuring from : East to West on Northern side : 45 feet or 13.725 mts. East to West on Southern side : 45 feet or 13.725 mts, North to South on Eastern side : 86 1/2 feet or 26.382 mts, North to South on Western Side : 84 1/2 feet or 25.772 mts. Admeasuring 3847 1/2 square feet or 427 1/2 square yards of site only.

B-Schedule : This Property sold by the Vendor cum Land Owner to the Purchaser / Vendee under this deed of Sale : 1/11th proportionate undivided and unspecified share in the "A" Schedule is 38.86 square yards out of total extent of 427 1/2 square yards of Land and the right to use and enjoy the common areas and amenities, easements rights etc. pertaining to the flats in building of "Sri Lakshmi Srinivasa Towers" aforementioned.

C-Schedule : This Property sold by the Vendor cum Land Owner to the Purchaser / Vendee under this deed of Sale : All that the piece and portion of residential apartment Flat No.101 in First Floor admeasuring builtup area 1600 Square feet (including common area) in the above said "Sri Lakshmi Srinivasa Towers" constructed in the premises described in A-Schedule. The above Flat Bounded on : East : Open Space, West: Open Space, North: Open Space, South: Common Corridor, Staircase, Lift and Flat No. 102.

Reserve Price:Rs.58,80,000/- EMD: Rs.5,88,000/- Bid Multiplier Amount: Rs.10,000/-

Date of E-auction : 29-06-2026, Time: 11.00 AM to 04.00 PM
With auto extension of 5 minutes for each bid till the closure of the auction
Date & Time of Inspection of above Property: 20-05-2026 to 28-06-2026 From 10.00 A.M to 04.00 P.M.

TERMS AND CONDITIONS OF THE E-AUCTION ARE AS UNDER:

1) For detailed terms and conditions of the sale, please refer to the link provided in State Bank of India, the Secured Creditor's website www.sbi.co.in/web/sbi-in-the-news/auction-notices. For Registration, EMD, Auction Details etc., visit <https://baanknet.com/eauction-psb/sbi-login> of the service provider : M/S PSB Alliance and M/s. Baanknet, e-Auction Portal: <https://baanknet.com> & Toll free Number : + 91 - 8291220220, Mail ID : support.baanknet@psballiance.com.

2) The purchaser shall bear the applicable stamp duties/ additional stamp duty/ transfer charges, fee etc. and also all the statutory / non-statutory dues, taxes, rates, assessment charges, fees etc.

Note: Interested bidder must deposit Pre-Bid EMD with PSB Alliance before the close of e-Auction. Credit of Pre-bid EMD shall be given to the bidder only after receipt of payment in PSB Alliance's Bank account and updation of such information in the e-auction website. This may take some time as per banking process and hence bidders, in their own interest, are advised to submit the pre-bid EMD amount well in advance to avoid any last minute problem.

The Sale will attract the provisions of sec 194-1A of the Income Tax Act.

Date:19-05-2026, Place: VIJAYAWADA Sd/-Authorized Officer, STATE BANK OF INDIA

