BUILDERS

Jubilee

Epaper

Developer with

RERA Registered projects

MOHALI, PUNJAB



Updated At: | Jul 11, 2021 08:22 AM (IST) **SHARE** □ 1309 □ 0 **ARTICLE**

Spanish architect Antoni Gaudi studied the structure of skeletons to understand the forces acting on them. The "bones" of the Sagrada Familia Basilica, designed by Gaudi, in Barcelona lend the building a unique look and help it stay standing by resisting wind and gravitational forces. It all started when I noticed in my official work photograph that my right shoulder was slightly higher than my left. I started looking through other photos, and there it was

again and again. A slight imbalance, a tilt to the left. I have been told many times, as no doubt you have too, to sit up straight and stop slouching. Experts estimate that 80 per cent of the population will experience back

or lying down too much can exacerbate the problem. If it wasn't bad enough that we

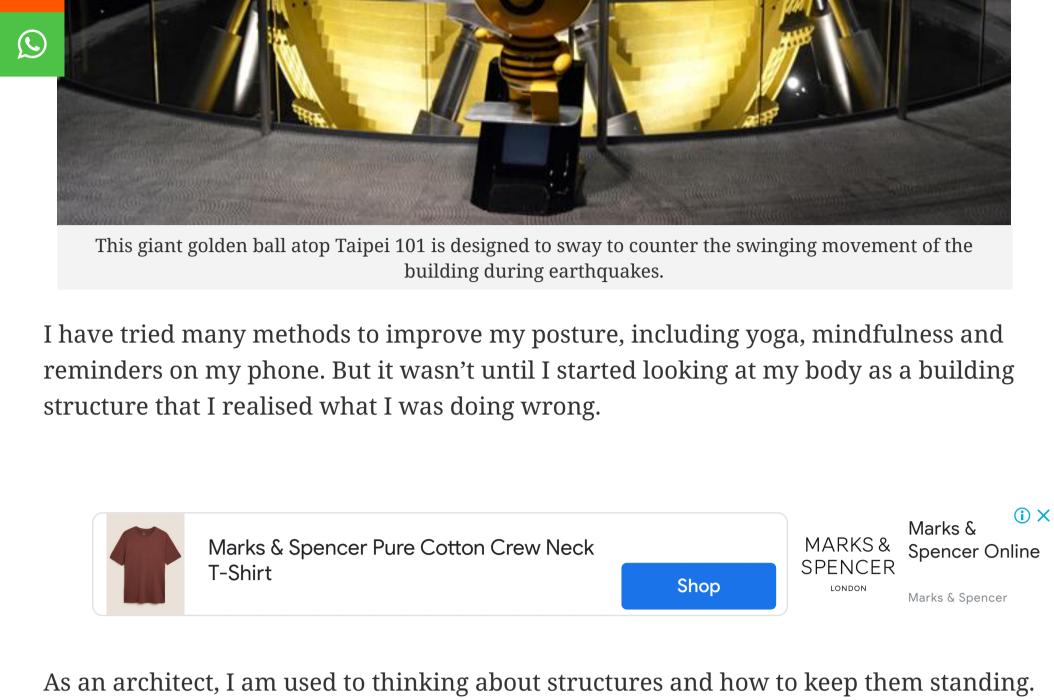
sit all the time, we also stare into screens all day, causing us to tilt our heads forward

pain in their lives. There is no single cause of back pain, but experts agree that sitting

6

Nia Puliyel

constantly. In an era of work from home, we are even less mindful of our sitting posture. Even if we are not working from beds and have invested in an ergonomic chair, we might be less conscious of how we are holding ourselves when there is nobody around.



Buildings have to resist a lot of elements acting to bring them down, including the weight of the building, gravity, wind and earthquakes. The structure of the building must resist these forces to maintain equilibrium. The materials, framing structure, connecting elements and foundations work together to brace and support the building.

Our human bodies also need to work to maintain stability. The field of biomechanics

of external forces, gravitational forces on the body segments, and posture.

studies the internal forces in muscles, tendons, bones and joints due to the interaction

The metaphor of the body is very common in architecture. The works of the famous

reminiscent of bones. Gaudi carefully studied the structure of skeletons of animals,

plants or shells to understand the forces acting on them. More than just giving his

wind and gravitational forces.

works their unique look, the "bones" of the building help it stay standing by resisting

Spanish architect Antoni Gaudi, such as the Sagrada Familia Basilica in Barcelona, are



improvement is like learning a sport. While it is important to intellectually understand the game, there is no training better than practice. But more and more whenever I catch myself leaning my "damper" of a head way over my mobile phone, I swing back into equilibrium. I'm hoping one day I'll be more Taipei 101 and less Leaning Tower of Pisa. SHARE ARTICLE

DOWNLOAD

Like

NATION

SECOND WAVE

Fresh worries as

decline in active

R-factor rises,

Covid cases

① 15 hours ago

slows

\sqrt{ Dislike

HIMAC

NGT

chief

remo

en 🔪

on go

Shim

Q 22 |

Marks & Spencer Pure Cotton Crew Neck

vertebrae in the neck and all the way down to the lower back.

We can think of the damper as our head. Our brains are pretty heavy; coupled with

our skull, the human head weighs about 5kg. This weight is balanced on just seven

vertebrae in your neck and supported by around 20 muscles that are responsible for

moving your head around and keeping that weight in place. These are similar to the

constantly subjected to forces of gravity, wind and movement. To maintain balance,

the body is slightly but constantly swaying in all directions. This unconscious tuning

forward such as in the infamous "text neck" position, the weight that your head puts

posture? Unfortunately not. My shoulders still look like an abandoned see-saw. Posture

on your neck increases to around 22kg. This causes strain both on the muscles and

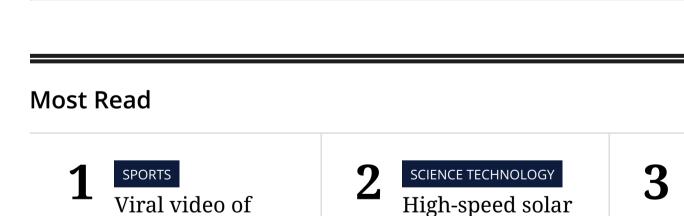
springs and viscous dampers of Taipei 101. And just like Taipei 101, the body is

keeps the body in equilibrium. When the head is aligned with the spine in good

posture, the head and upper body stay in equilibrium. When your neck is tilted

Has understanding the mechanics and physics of buildings really improved my

T-Shirt



storm

approaching

interrupt cell

phone, GPS

© 22 hours ago

signals

Earth; can

THE NEW CLAIMS LANDSCAPE

SAVE MONEY + ENHANCE

What do you think? (Share your

Messi sharing

moments with

hearts online

32 hours ago

SCIENCE TECHNOLOGY

High-speed solar

cell phone, GPS

(sibril) \$207,80\$

THE NEW CLAIMS LANDSCAPE

SAVE MONEY + ENHANCE CUSTOMER LOYALTY

© The Tribune Trust, 2021

y

2

storm approaching

Earth; can interrupt

family is melting

emotional

winning

feedback)

THE NEW CLAIMS LANDSCAPE DOWNLOAD SAVE MONEY + ENHANCE CUSTOMER LOYALTY **Don't Miss**

signals © 22 hours ago	London street; Sun Shetty comments			
	© 23 hours ago			
POLLYWOOD	ENTERTAINMENT			
Dharmendra recalls	Sidharth Shukla			
asking himself 'Mein	slams 'negative'			
Dilip Kumar ban	reports amid			

SPORTS

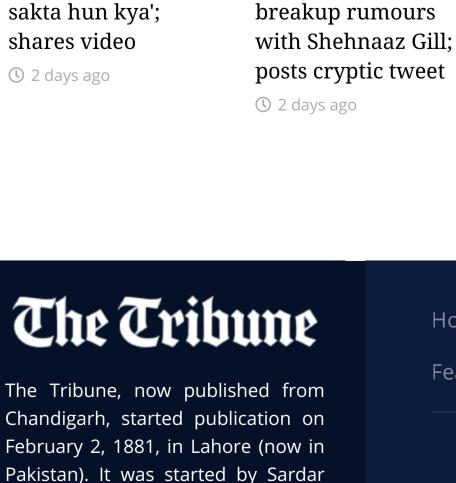
KL Rahul, rumoured

London street: Suneil

girlfriend Athiya

Shetty's brother

Ahan, spotted on







ENTERTAINMENT

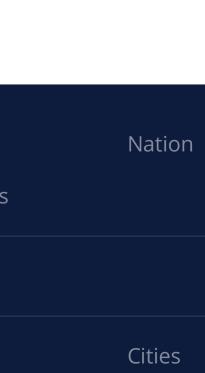
'Nobita'

Fan of 'Doraemon',

names newly-found

dinosaur fossil after

Chinese scientist





POLLYWOOD

① 2 days ago

ENTERTAINMENT

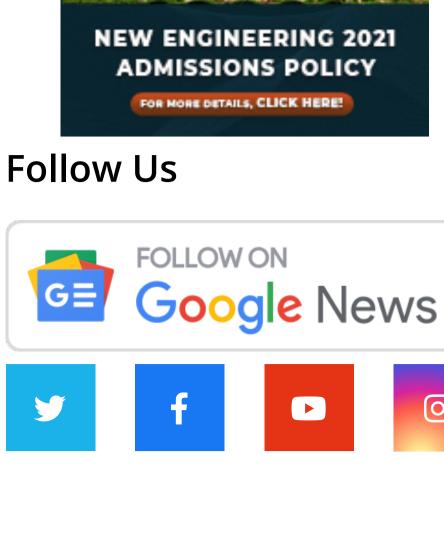
Diljit Dosanjh,

'Punjabi kudi' Lilly

frame; don't miss his

Singh share one

appreciation post



India reports over 37,000 new

Covid cases, recoveries cross 3

The death toll climbs to 4,08,764 with 724

Pressure fuse used in J&K

Punjab Covid positivity rate

After staying over 10 per cent, remains

View All

(i) X

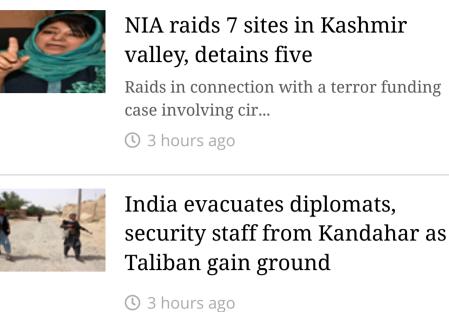
lowest in months

below 0.5 during pas...

3 hours ago

drone attack hints at Pak military role: Probe team 3 hours ago

Top Stories



crore-mark

fresh fatalities

© 59 mins ago



Brief spell of rain in Amritsar brings muchneeded respite © 3 hours ago

100 farmers volunteer to take part in dharna

Protesting farmer from Amritsar village dies

Amritsar: Government Medical and Dental

Nihangs booked for murder bid, robbery

after returning from Singhu border

Colleges staff to strike work today

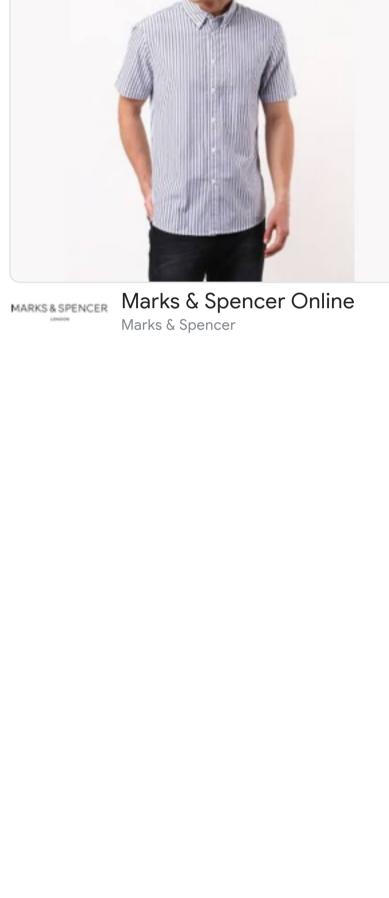
outside Parliament

© 3 hours ago

① 1 hour ago

3 hours ago

3 hours ago







(i) X

Marks &

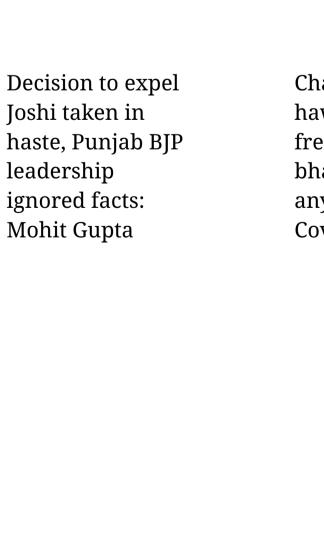
Spencer Online

Marks & Spencer

MARKS &

SPENCER

Learn more





Sports

Business

Designed and Developed by: Grazitti Interactive

5

Chandigarh, started publication on February 2, 1881, in Lahore (now in Pakistan). It was started by Sardar					Brand Connect	
Dyal Singh Majithia, a public-spirited philanthropist, and is run by a trust comprising four eminent persons as	States	Cities	Opinion	Life	Move Ahead	
The Tribune, the largest selling English daily in North India, publishes news and views without any bias or prejudice of any kind. Restraint and moderation, rather than agitational language and partisanship, are the hallmarks of the paper. It is an independent newspaper in the real sense of the	Punjab Haryana Himachal J & K	Amritsar Bathinda Chandigarh Delhi Jalandhar Ludhiana Patiala	Editorials Comment Musings Letters to the Editor	Lifestyle Entertainment Movie Reviews Pollywood Arts Book Reviews	Jobs & Careers Health Technology Calendar Coronavirus Schools Brand Connect	
term.	Classifieds	Reach u	S			
The Tribune has two sister publications, Punjabi Tribune (in Punjabi) and Dainik Tribune (in Hindi).	Grooms Wanted Th Other Classifieds Do Book Classifieds Pu Advertise with Us Pu		About Us The Tribune Epaper Download The Tribune App - Android Ios Punjabi Tribune online Punjabi Tribune Epaper Punjabi Tribune App - Android Ios Dainik Tribune online			
		5 1 11 -	-			

Dainik Tribune Epaper

Subscribe Print Edition

Contact Us

Dainik Tribune App – Android Ios