

### **FOOD PRODUCTION SETBACK**

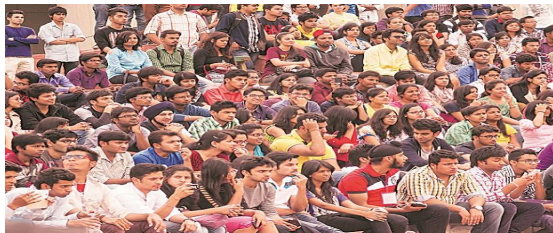
**Ref: hindustantimes.com, Friday, 02.04.2021**



Climate change has been holding back food production for decades, a new study reveals. About 21% of growth for agricultural output has been lost since 1960's. United Nation's World Food Programme has warned of a looming catastrophe with about 34 million people globally on brink of famine. Climate Change has been cited as a major contributive factor for sharp increase in hunger around the world. The damage to productivity growth has been found out to be more in tropical areas as compared to other parts of the world.

### **GENDER GAP IN INDIA WIDENS**

**Ref: livemint.com, Wednesday, 07.04.2021**



As per the latest Global Gender Gap Report, gender gap in India has widened up to 62.5%. This report took into consideration four parameters namely economic participation and opportunity, educational attainment, health and survival and political empowerment. As per analysis of this report, widening of this gap is largely due to women's inadequate representation in politics, technical and leadership roles, decrease in women's labour force participation rate, poor healthcare, lagging female to male literacy ratio and income inequality. Apart from these factors, the ongoing pandemic has severely impacted women than any other strata of society. India has been ranked

at 140<sup>th</sup> position as per this report. Iceland continues to maintain 12 years long record of being the most gender equal country. India urgently needs to focus on health and survival which points towards a skewed sex ratio because of high incidence of gender-based sex selective practices and economic participation of women. Though there are many schemes with regard to uplifting the status of women such as Beti Bachao Beti Padhao, direct cash transfer of Rs.500 to women's account, Ujjwala Scheme, One Stop Centre Scheme and Sukanya Samridhi but a lot still needs to be done in their successful implementation.

### **IIT MANDI SOLUTION FOR FUEL EFFICIENCY**

**Ref: hindustantimes.com, Wednesday, 07.04.2021**



Researchers from IIT Mandi have developed an algorithm which they claim can support in optimizing fuel efficiency and minimize emissions by assessing the functioning of internal combustion engines. It uses data learning and prediction techniques to calculate real time values about engine in petrol and diesel vehicles and other subsystems' performance. This development has potential for making significant impact since IC engines fuelled by petrol and diesel comprise 99.8% of global transport, including airplanes and boats. Since the goal of electrification of transport sector is far away, this invention seems to be an effective as well as one of the best workable solution.

### **INCONSISTENTLY PLACED COMMA NULLIFIES PATENT**

**Ref: juve-patent.com, Wednesday, 07.04.2021**

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EPO Board of Appeal nullified a Boeing patent due to inconsistent placement of a comma in the filing of patent. This disputed patent was granted by EPO in 2011 and protects a method for handling aircraft communications. This technology uses various transmission networks to communicate flight routes and other data. This whole system works with a preference list from which it identifies the network that is currently available. The claim contains three sub features but first two features being separated by a comma resulted in ambiguity and confusion in the interpretation.

**NOKIA AND LENOVO BURY THEIR PATENT FIGHT**

**Ref: reuters.com, Wednesday, 07.04.2021**



Finland's Nokia, has settled a prolonged patent fight with China's Lenovo Group that is the world's biggest PC maker. In a cross-licensing arrangement arrived at between the parties, Lenovo has agreed to make a net balancing payment to Nokia. Nokia had filed for infringement proceedings against Lenovo in the year 2019 for infringement of 20- video compression technology patents.

**APPLE'S NEW PATENT REPLACES KEYBOARD**

**Ref: livemint.com, Wednesday, 07.04.2021**



Technology giant Apple has registered a new patent that removes keyboards from laptops. This new patented product replaces keyboard's keys with small displays. This means that Apple is not removing the tactile feedback from keyboards but trying to make each key multifunctional. Each movable key member is formed from a fiber optic plate. The fiber optic plate in turn is formed from a coherent fiber bundle with opposing first and second surfaces. The first surface may be adjacent to the key display and may receive key label images. The second surface may face outwardly towards a user and may receive key press input from the fingers of a user while presenting key label images for viewing. Though this technology is certainly one of its kind but it might pose a risk as the same is not consumer friendly.

**STATE BANK OF INDIA VS TOKYO BASED SBI HOLDINGS**

**Ref: thehindubusinessline.com, Friday, 09.04.2021**



State Bank of India files petition in Unites States Patent and Trademark Office against trademark registered by Tokyo based financial services conglomerate, SBI Holdings Inc. State Bank of India has claimed that this trademark is damaging and causing harm to bank's reputation

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and creating confusion in market. State Bank of India's logo consists of a light blue, incomplete circle design with a hole in the middle followed by lettering "SBI" in dark blue whereas Tokyo SBI Holding's logo consists of a black, italicized "SBI" with an arch on top of it. In the year 2020, USPTO had refused registration to State Bank because SBI Holdings had already registered the logo. The parties however are looking forward to settle the matter as soon as possible.

**INDIA-DENMARK JOIN HANDS FOR  
INNOVATIVE WATER SOLUTIONS**

**Ref: pib.gov.in, Monday, 12.04.2021**



As part of Indo – Danish bilateral Green strategic partnership, India is all set to take a giant leap towards building a world class innovation ecosystem as Atal Innovation Mission and Embassy of Denmark to India decide to collaborate. Under this arrangement, Innovation Center Denmark in India will collaborate with AIM to support and develop global innovation Green economy partnerships addressing SDG's. 10 innovations have been identified that would play a key role in resolving water issues. Areas of collaboration that have been identified include school student innovation exchange and co-innovation development, hosting Indo - Denmark innovation challenges, facilitating startup-incubator collaborations and exchanges, promotion of startup and entrepreneurship events and competitions through networks and channels of both parties.

**NANOSNIFFER FIRST EXPLOSIVE  
SPACE DETECTOR**

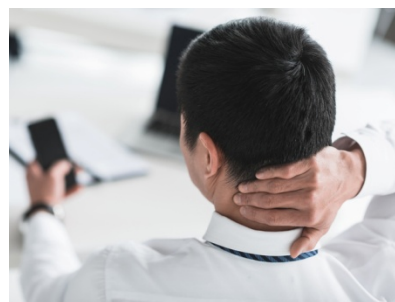
**Ref: [financialexpress.com](http://financialexpress.com), Wednesday,  
14.04.2021**



World's first explosive space detector using microsensor technology under the name Nanosniffer has developed by Nanosniff Technologies, an IIT Bombay incubated startup. The core technology of Nanosniffer is protected by patents in US as well as Europe. Nanosniffer provides trace detection of nanogram quantities of explosives and delivers results in seconds. It can accurately detect a wide range of military, commercial and homemade explosive threats. Local manufacturing of this kind of technology will definitely save import cost for the country. Nanosniffer has passed DRDO's High Energy Materials Research laboratory testing and has also been tested by country's elite counter terror force National Security Guard.

**POSTURA PUTS WORK FROM HOME  
RELATING HEALTH CHALLENGES TO  
REST**

**Ref: [thebetterindia.com](http://thebetterindia.com), Tuesday, 20.04.2021**



Work from Home culture started during the pandemic in India has also brought along with it many health challenges. Body aches, strain on neck, back and hip have now become a natural phenomenon. Long working hours and incorrect posture has pushed four students from Gurugram's Shiv Nadar School to develop a multi - purpose, wearable and cost - effective device called Postura. The device which comes inside a pillow, helps correct the posture and

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also gives massage to stressed areas of the back and has a unique sensory mechanism. Designed using electronics and robotics, the product measures the number of times the body tilts and the period it was in an incorrect posture. This data is then synced with the device's mobile app to provide users with intelligence on their posture and overall improvement journey. The students along with teachers are working to bring Postura to manufacturing stage and bring down the cost to Rs. 1000.

**INTEL CLEAN IN PATENT  
INFRINGEMENT BATTLE**

**Ref: thehindu.com, Thursday, 22.04.2021**



VLSI, a unit of the hedge fund Fortress Investment Group, filed a patent infringement lawsuit against Intel in the year 2019. The main allegation in this case was that Intel products using “Speed Shift” technology infringed patents assigned to VLSI. VLSI sought damages amounting to \$3.1 billion. A U.S Jury has finally ruled in favour of Intel in the matter. Intel is fighting similar battles with other companies too and many trials are scheduled in this year for the same.

The logo for Knowledgentia Consultants features a stylized 'K' with a red arrow pointing upwards and to the right. To the right of the 'K', the text 'NOWLEDGENTIA' is written in red, and 'CONSULTANTS' is written in black. Below this, the text 'Corp Legal & Intellectual Property Rights Firm' is written in a smaller black font.

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