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1. NOVEL CORONA VIRUS (nCOVID -19)

CORONA OUTBREAK

Coronavirus was declared Global Health Emergency by WHO

World Health Organization (WHO) declared *COVID -19 an official name for* **Co**rona **VI**rus **D**isease.

WHO declared it is a *"PANDEMIC DISEASE"*

✓ First reported from **Wuhan, China**, on 31st December 2019

✓ *USA & Italy was the most affected country in the world*

The first case of a coronavirus in India was identified from **Thrissur, Kerala**, on 30th January 2020

On 30th January 2020, the International Health Regulations Emergency Committee of the World Health Organization declared the outbreak a *"Public Health Emergency of International Concern (PHEIC)"*

It Spreads mainly through:

✓ Droplets of saliva or discharge from the nose when an infected person coughs or sneezes

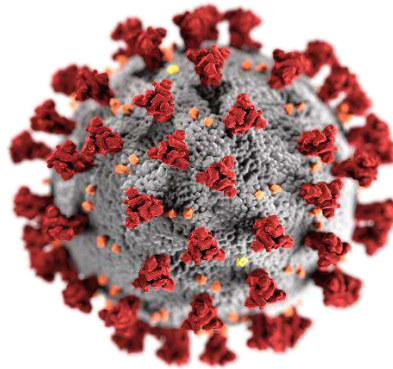✓ Close personal contact, such as touching or shaking hands

To prevent infection and to slow transmission of COVID-19, do the following:

✓ Wash your hands regularly with soap and water, or clean them with alcohol-based hand rub.

✓ Maintain at least 1-meter distance between you and people coughing or sneezing.

✓ Avoid touching your face.

✓ Cover your mouth and nose when coughing or sneezing.

✓ Stay home if you feel unwell.

✓ Refrain from smoking and other activities that weaken the lungs.

✓ Practice physical distancing by avoiding unnecessary travel and staying away from large groups of people.

Symptoms:	✓ shortness of breath
✓ fever	✓ aches and pains
✓ tiredness	✓ sore throat &
✓ Dry cough	✓ Very few people will report diarrhoea, nausea or a runny nose.

CORONA VIRUS

The name "coronavirus" is derived from **Latin word** meaning *"crown" or "wreath"*

The **scientific name** for coronavirus is *Orthocoronavirinae or Coronavirinae*

Coronavirus belongs to the *family of Coronavirida*

The morphology of coronaviruses is the *club - shaped viral spike peplomers, colored red*, *create the look of a corona surrounding the virion*

They are enveloped viruses with a positive - sense single - stranded RNA genome and a nucleocapsid of helical symmetry.

It is a *single stranded RNA Virus*

The diameter of the virus particles is around **120 nm**

The genome size of coronaviruses ranges from approximately *27 to 34 kilobases*

The viral envelope consists of a lipid bilayer where the membrane, envelope and spike structural proteins are anchored.

Coronaviruses have a shorter spike-like surface protein called *hemagglutinin esterase (HE)*

4 Stages of PANDEMIC:	STAGE 1:	STAGE 2:	STAGE 3:	STAGE 4:
	Transmitted and imported from affected countries	Local transmission from positive cases	Disease spreads in community, large area gets affected	Disease takes shape of an epidemic with no clear endpoint.

AATMANIRBHAR BHARAT ROZGAR YOJANA	new scheme to incentivize job creation during COVID-19
Mission COVID Suraksha	Government of India has announced the third stimulus package of Rs. 900 Crore for the **Mission COVID Suraksha - The Indian COVID-19 Vaccine Development Mission.**
Neutralising antibodies	**85% of the people who had been found infected with novel coronavirus in a serosurvey**, conducted earlier, had developed neutralising antibodies
delirium	A new study supports evidence that delirium can predict coronavirus infection in older patients who show no other typical symptoms of Covid-19.
Dry swab-direct RT-PCR method	**To ramp up COVID-19 testing, ICMR approves dry swab-direct RT-PCR method.** It has been Developed by CSIR-Centre for Cellular and Molecular Biology (CCMB).
COVID-19 Shri Shakti Challenge	Six women led startups have won COVID-19 Shri Shakti Challenge organized by MyGov in collaboration with UN Women.
Pfizer vaccine	A vaccine jointly developed by Pfizer and BioNTech was 90% effective in preventing Covid-19 infections in ongoing Phase 3 trials.
iGOT e-learning Platform	iGOT platform provides self-contained training material for COVID-19 warriors comprising 56 modules, 196 videos and 133 training documents
Guillain Barre Syndrome	Some patients infected with Covid-19 have been found suffering from Guillain Barre Syndrome (GBS)
Kawasaki disease	In India, a new illness, with some symptoms common with the **rare Kawasaki disease, has been affecting children with Covid-19.**
COVID-19 and Children	UNICEF has released the report "**Averting a lost Covid generation**", which highlights significant and growing consequences of Covid-19 on children.
3D Atomic Map of Novel Coronavirus Replication Mechanism	For the first time, scientists have completed a 3D map that reveals the location of every atom in the molecule of SARS-CoV-2 enzyme.
ANTISERA	Highly purified antisera that can be used in prevention and treatment of COVID-19
AZD7442	Swedish-British drug giant AstraZeneca said it was moving an antibody combination **developed for Covid-19 treatment into late-stage human trials.**
Muslin fabric	Khadi and Village Industries Commission has launched **two-layered "Happy Diwali" printed face masks made of pure Muslin fabric**
United Against CORONA- Express through Art: global art competition	A six-year-old Bangladeshi boy **Anzar Mustaeen Ali** won a special prize of USD 1000 for his artwork in the global art competition organised by the Indian Council of Cultural Relations (ICCR).
COVIRAP	ICMR has approved **a new low-cost Covid-19 diagnostic method named COVIRAP**, developed by IIT Kharagpur
TOCILIZUMAB	A recent study suggests that the drug **tocilizumab may not prevent mortality in Covid-19 patients.**

Monoclonal Antibodies for Covid-19	The International AIDS Vaccine Initiative (IAVI) and Serum Institute of India (SII), Pune announced an agreement with Merck, a science and technology company, to develop SARS-CoV-2 neutralising monoclonal antibodies (mAbs), which will be used to address the Covid-19 pandemic.
Work From Home And Air Pollution	**Energy and Climate Intelligence Unit** said that some areas in the **UK** could experience greater levels of air pollution due to large numbers of people working from home due to the pandemic this winter season.
K.K Shailaja	UK Magazine Names Kerala Health Minister KK Shailaja as World's 'Top Thinker' For COVID-19
Tata CRISPR Test	India's 1st CRISPR Covid-19 test, developed by the Tata Group and CSIR-IGIB, has been approved for use in India.
State Disaster Response Fund	Prime Minister Narendra Modi has announced that the limit of using the **State Disaster Response Fund for COVID specific infrastructure has been increased from 35% to 50 %.**
Pradhan Mantri Garib Kalyan Package insurance scheme	For health workers fighting COVID-19 has now been **extended for another 180 days**
India's first Corona virus airport testing facility	Launched at Delhi's Indira Gandhi International Airport Limited (DIAL)
Association Of World Election Bodies (A-WEB)	The **Election Commission of India** organized an International Webinar on 21st September 2020, on the **Theme "Issues, Challenges and Protocols for Conducting Elections during COVID-19: Sharing Country Experiences"** on its completion of one year of Chairmanship of the Association of World Election Bodies (A-WEB).
Robot Rakshak	In the fight against the spread of Covid 19 pandemic, **the Railways has designed a health assistant Robot Rakshak** which can remotely communicate between doctor and patient.
MEDBOT	**Indian Railways** has developed a remote-controlled medical trolley named 'MEDBOT' **to help deliver food and medicines to COVID-19 patients.**
Spot Robot	Researchers from Boston Dynamics, of Massachusetts Institute of Technology (MIT - USA) have developed a robot, called 'Spot'. **They have planned to use it for patients with Covid-19 symptoms.**
Question Hour and Zero Hour	The Central government has decided **to suspend the Question Hour and curtail Zero Hour for Monsoon Session.** This has been done in view of the Covid-19 pandemic.
Covid-19 Detection Using Mass Spectrometer	The **Institute of Genomics and Integrative Biology (IGIB) and the National Centre for Disease Control (NCDC)** have developed a technique that uses mass spectrometry to detect novel coronavirus (SARS-CoV-2).
Bradykinin storm	**An analysis of samples of patients with the Covid-19 infection** has shown a phenomenon called a 'bradykinin storm'.
Chakr DeCoV	**IIT Delhi** launches "Chakr DeCoV" **to decontaminate N95 masks**
24x7 toll-free Mental Health Rehabilitation Helpline - KIRAN	To provide relief and support to persons with Mental Illness in the wake of COVID-19 Pandemic - 24x7 Toll-Free Helpline no: **(1800-500-0019)**

My Family, My Responsibility Campaign	**Maharashtra** government launched 'My Family, My Responsibility' Campaign to Tackle COVID-19
STOPCovid	Researchers developed **new Covid-19 test**
Swasner	IIIT Bhubaneswar developed, 'Swasner', **a Helmet-like Ventilation Device to Ease Breathing**
India's first mobile RT-PCR lab in Bengaluru	❖ The State Government of Karnataka launched India's first mobile RT-PCR lab. The lab was developed by Indian Institute of Science, Bengaluru. The lab has been named Mobile Infection Testing and Reporting (MITR) lab. It is capable of conducting 9000 tests per month.
SPUTNIK V	Russian President Vladimir Putin announced that Russia had become the **first country in the world to grant regulatory approval to a Covid-19 vaccine 'Sputnik V'.**
Russia plans mass vaccination against COVID -19 by October	**Russia became the first nation in the world to successfully complete the human trials** of COVID vaccine in July. As per preliminary results, Russia's COVID vaccine has proven to be effective.
DG14G	**Malaysia has recently detected a new COVID-19 strain that is 10 times more infectious.** The mutation of the virus is called DG14G
Operation Breathing Space	An **Israeli team** arrived in India with a multi-pronged mission, codenamed Operation Breathing Space to work with Indian authorities on the Covid-19 response.
MEDBOT	**Indian Railways** develops remote-controlled medical trolley '**MEDBOT' to deliver food, medicines to COVID-19 patients**
AVIPTADIL	An old drug formulation RLF-100 is being **probed to treat Covid-19 patients after initial studies have shown that the drug is able to halt SARS-CoV-2 virus replication in lungs.**
NEXT GENERATION SEQUENCING MACHINES (NGS)	The Council of Scientific and Industrial Research (CSIR) is working on developing "mega labs" **to ramp up testing for COVID-19 as well as improve the accuracy rate**.
Corona Fighters	Union Health Minister has launched **an interactive first-of-its-kind game on COVID-19, the Corona Fighters.** The game presents a new and extremely creative way to teach people the right tools and behaviours to fight the Covid-19 pandemic.
Khadi's Gift Box of Silk Mask	Union Minister for Micro, Small and Medium Enterprises (MSME), Shri Nitin Gadkari has launched the Khadi's Gift Box of Silk Mask. **The Gift Box has been developed by Khadi and Village Industries Commission (KVIC).**
CHHAVNI COVID: Yodha Sanrakshan Yojana	Ministry of Defence launched the 'Chhavni COVID: Yodha Sanrakshan Yojana.' **It is a group life insurance scheme to be implemented through Life Insurance Corporation (LIC).**
Saliva Direct Test	A new, rapid diagnostic test for the novel corona virus that uses saliva samples was granted an emergency use authorisation by the U.S. Food and Drug Administration (FDA).
BONDAS	The COVID-19 pandemic has reached the Bondas, a tribal community residing in the hill ranges of Malkangiri district in Odisha. Four members of the community have tested positive for COVID-19.

COVAX PLATFORM	The World Health Organisation (WHO) has renewed its invite to countries to join its COVAX facility, an international alliance aimed at accelerating the development and manufacture of novel Coronavirus vaccines, and ensuring equitable access to all.
PYROLYSIS	Plastic from used **personal protective equipment (PPE)** can be transformed into renewable liquid fuels, according to a new study published in the journal Biofuels.
Ek Mask-Anek Zindagi	**Madhya Pradesh** has launched a public awareness campaign "Ek Mask-Anek Zindagi" from August 1-15. The Scheme will spread awareness about wearing masks as prevention from Covid-19 infection.
Electronic Vaccine Intelligence Network (eVIN)	eVIN is being used by the State/UT governments in India **to monitor the supply chain of COVID response material.**
Pavitrapati & Aushada tara	Defence Institute of Advanced Technology, DIAT (DU) has launched two products namely "Pavitrapati" & "Aushada tara" to fight against COVID-19. **Pavitrapati** = Biodegradable Face Mask **Aushada tara** = anti-microbial body suit
Toxin in Hand Sanitizer	United States Food and Drug Adminstration announced the presence of **1 – propanol** in hand sanitizer can depress the central nervous system and can be the life – threatening.
G4 EA H1N1 (commonly called G4 virus)	Chinese scientists have identified a "newly emerged" strain of influenza virus that is infecting Chinese pigs and that has the potential of triggering a pandemic.
India's AI - enabled MyGov Corona Helpdesk bagged two awards at CogX 2020	❖ Best Innovation for COVID-19-Society ❖ People's Choice Covid-19 Overall Winner
Hamara Ghar - Hamara Vidyalaya	**Madhya Pradesh** has launched "Hamara Ghar-Hamara Vidyalaya" over a virtual platform **to take care of academic regularity of the students during the Lockdown due to COVID-19 pandemic.**
Dream Kerala Project	**Kerala government** has announced "Dream Kerala Project" to those **who are returning from abroad and other states after losing their jobs due to the COVID-19 pandemic.**
Sardar Patel COVID Care Centre and Hospital (SPCCCH)	World's Largest COVID-19 Treatment Facility nearly **10,000 bed Inaugurated in New Delhi on 5th July 2020**
Wards Named after Indian Army Soldiers	**DRDO** develops 1000 Bed Hospital for Treatment of COVID-19 patients in 12 Days in New Delhi, **Wards Named after Indian Army Soldiers who have lost their lives on 15th June 2020 during the violent clash at Galwan Valley with the Chinese**.
Unisaviour	**IIT Roorkee** researchers develops disinfection box "Unisaviour"
Special action plan	**Kerala** prepares **special action plan to contain COVID super spread in coastal regions**
World's First Reusable PPE Kits	Loyal Textile Mills launched the **world's 1st reusable PPE Kits, reusable garments and face masks with zero virus penetration**
Itolizumab Injection	DCGI has given its approval to **'Itolizumab' injection for the treatment of COVID-19 patients** with restricted emergency use only in case of moderate to severe Acute Respiratory Distress Syndrome (ARDS) patients.

Govt advises cautious use of Remdesivir, Tocilizumab for Covid-19 treatment	Remdesivir, Convalescent Plasma, Tocilizumab have been put under the investigational therapies in the clinical management protocol for COVID-19.
Russian Vaccine Completes Human Clinical Trials	Russia's Gamalei Institute's COVID-19 Vaccine becomes the First in the World to Complete Human Clinical Trials
Roko-Toko Campaign	**Madhya Pradesh Government** announces 'Roko-Toko' Campaign, for those who do not wear masks
'Corona Kavach' health insurance policies	IRDAI allows launch of 'Corona Kavach' insurance policies
COVID - 19 negative certificate mandatory	**Bangladesh** makes COVID-19 negative certificate mandatory for travelling abroad
SHUDH	**IIT Kanpur** has developed an Ultraviolet (UV) sanitizing device named Smartphone operated Handy Ultraviolet Disinfection Helper (SHUDH).
Post-Covid Coach	The Indian Railways has launched a new state-of-the-art, 'Post COVID Coach' in an effort **to prevent the spread of COVID-19 virus infection.**
Pneumococcal Polysaccharide Conjugate Vaccine	The Drug Controller General of India (DCGI) approved the **first indigenously developed Pneumococcal Polysaccharide Conjugate Vaccine.**
COROSURE	The Union Minister of Human Resource and Development Ramesh Pokhriyal Nishnak launched **world's most affordable COVID-19 kit. (COROSURE) The kit was developed by IIT Delhi.**
India's 1st contactless car parking	GMR **Hyderabad International Airport** (GHIAL) has introduced India's first-ever fully contactless airport car parking to provide a safe airport amid COVID-19.
MediCAB	❖ **Indian Institute of Technology Madras (IIT-M)** has developed a portable hospital unit called MediCAB. ❖ It has been launched in **Wayanad District of Kerala** where the units are being deployed to treat COVID19 Patients.
ZyCoV-D	India has started **phase I/II clinical trials of Covid-19 vaccine - ZyCoV-D**, designed and developed by Zydus (a pharmaceutical company) with support from the Department of Biotechnology (DBT).
Oxford vaccine - AZD1222	The UK COVID-19 trials have shown that the Oxford vaccine could offer 'double protection' against COVID-19.
Study on Efficiency of BCG vaccine in treating COVID-19	**ICMR** is to conduct study to evaluate effectiveness of BCG vaccine to prevent morbidity and mortality of COVID-19 elderly individuals.
USFDA approves COVID - 19 pool testing for the first time	The United States Food and Drug Administration issued emergency use authorization to allow pool sampling from up to four individuals to test COVID-19.

Dexamethasone	**Japan** approves Dexamethasone as COVID-19 Treatment
DRDO establishes COVID-19 testing facility in DIHAR, Leh	❖ The Defence Research Development Organization has established a COVID-19 testing facility in Leh. ❖ The research facility was set up at Defence Institute of High-Altitude Research (DIHAR).
Rajasthan launches the first plasma bank of the state	**Rajasthan Government** is to set up the first plasma bank of the state in Jaipur. **The first ever plasma bank of India was established in Delhi.**
2-year jail term, Rs 1 lakh fine for not wearing masks	**Jharkhand** announces 2-year jail term, Rs 1 lakh fine **for not wearing masks, violating COVID protocols**
Veli Band	**IIM-Kozhikode** develops 'Veli Band' for ensuring social distancing
COVISHIELD	The Central Drugs Standard Control Organization announced that it will take up clinical trials of COVID-19 vaccine, **COVISHIELD developed by Oxford University and AstraZeneca.**
Three new high-throughout ICMR COVID-19 testing labs	❖ PM Narendra Modi inaugurates 3 high-end COVID testing labs at Mumbai, Noida, Kolkata ❖ The three new-high end ICMR labs will be expanded and used for testing of many other diseases in the future such as Dengue, Hepatitis B & C and HIV.
BeIYo	❖ **Country's 1st COVID – 19 blockchain platform** ❖ Converted COVID – 19 clinical and vaccination data of Citizens from physical form into digital assests ❖ Developed by IIIT Bangalore
Segregation of Covid-19 Waste	The National Green Tribunal (NGT) has observed that the segregation of **Covid-19 biomedical waste from general garbage is a must to avoid further contamination adversely affecting public health.**
Operation Breathing Space	**Israeli team** arrives for trials of **rapid tests for COVID-19**
Lyfas COVID score	**DST** selects Acculi Labs **to develop "Lyfas COVID score"**
BANDICOOT	**Guwahati Development Department Ministry** has inaugurated first manhole cleaning robot 'BANDICOOT' to ensure minimal human involvement to clean the sewers.
ADB approves USD 3 million grant to India to combat COVID-19	**Asian Development Bank (ADB)** has approved USD 3 million (about Rs 22 crore) grant to India from its Asia Pacific Disaster Response Fund **to further support the government"s emergency response to COVID-19 pandemic.**
National Clinical Registry of COVID-19 Patients	ICMR in collaboration with AIIMS, **is creating a new rigorous database of COVID-19 patients**
Aashray	Defence Institute of Advanced Technology (DIAT) has developed 'Aashray', a medical bed isolation system **to combat COVID-19 by preventing or minimising the spread of the virus**
Vertical Transmission of COVID - 19	**Country's 1st Mother – Child vertical Transmission** of COVID -19 was recorded in **Maharashtra**

Coronavirus type (A3i)	❖ The newly identified A3i or Clade I/A3i comprised 41%, making it the *second most common coronavirus type in India.* ❖ Coronavirus type A2a, making it the most dominant coronavirus clade in India.
Indian National Supermodel	DST initiates Indian National Supermodel *to monitor future transmission of COVID - 19 infection*
Ultra-Swachh	DRDO develops 'Ultra Swachh' *to disinfect PPEs, electronics items, fabrics*
COVID-19 Technology Access Pool (C-TAP)	**WHO** launches 'C-TAP' for equitable *access to life-saving tech*
Delhi Corona App	Delhi CM Arvind Kejriwal launches Delhi Corona App *to track hospital beds, ventilators*
Low Cost COVID – 19 testing Kit	**IIT Hyderabad** develops the Low Cost COVID – 19 testing Kit that delivers results **within 20 minutes**
COVID-19 pandemic in India.	Country is still at risk, says WHO experts *WHO Chief Scientist Soumya Swaminathan and WHO Health Emergencies Programme executive director Michael Ryan*
Census-NPR may be pushed to 2021 due to COVID-19	Census houselisting and NPR operations that were scheduled to be held during April - September 2020 can be rescheduled for April 2021 due to the COVID-19 pandemic.
UVC-based disinfection	UVC-based disinfection cabinet developed by ARCI & Mekins
Coro-bot	An engineer from Thane has developed an internet-controlled robot. The bot is first of its kind. The robot addresses the needs of the hospitals treating COVID-19 patients.
COVID BEEP	The Union Minister of India Shri Jitendra Singh recently launched COVID BEEP, the first physiological parameter monitoring system for COVID-19 patients
Airborne Rescue Pod for Isolated Transportation (ARPIT).	The Indian Air Force developed Airborne Rescue Pod for Isolated Transportation (ARPIT). The pod is to be used to evacuate critical patients that are suffering from COVID-19.
Flyzy App	**IIT Guwahati has developed an App** for consistent and contactless air travel during the COVID-19 pandemic.
ANANYA disinfectant	Defence Institute of Advanced Technology (DIAT) has developed *"ANANYA" water-based disinfectant spray with nanotechnology assisted formulation.*
BIN-19 and UV SPOT	**Used mask disposal device** "BIN-19" & "UV SPOT" launched in **Kerala**
RT-nPCR Test	CCMB have developed a new test to detect novel coronavirus **'Reverse Transcription nested Polymerase Chain Reaction** (RT-nPCR) test.
Shohojodha	**Bangladesh** has launched **'Shohojodha'** an online network to facilitate plasma exchange between recovered patients of COVID-19 treatment.
TrueNat Machines	**Uttar Pradesh** government has launched the TrueNat machines to test COVID-19
GermiKlean	**DRDO** developed the GermiKlean, a sanitising chamber that can be **used to sanitise uniforms of security and police personnel.**

GermiBAN	The Union Minister of State for Home affairs Launched the GermiBAN **it has capability of killing 99.9% of surface and air microbes.**
Corona warriors	**Madhya Pradesh** government gives **'corona warriors' status to Divyang Anganwadi workers.**
Ghar Ghar Nigrani App	**Punjab** Government has launched "Ghar Ghar Nigrani" mobile application **to undertake house to house surveillance to eliminate COVID-19 pandemic.**
CAPTAIN ARJUN Robot	**Central Railway** launches AI enabled robot "CAPTAIN ARJUN" **to intensify the screening of passengers and surveillance to keep a watch on anti-social elements.**
First antigen-based testing kit	**ICMR** has recommended the use of the **first antigen-based testing kit for the faster diagnosis of COVID-19.**
Dexamethasone Drug	Scientists administering the World Health Organisation's RECOVERY trial have reported that **dexamethasone reduced Covid-19 deaths in severe patients. Dexamethasone is a cheap and widely available steroid drug.**
First Bell	**Kerala** has started a virtual class initiative called 'First Bell'. **The virtual classes for state school students are being organised so that education is imparted amid Covid-19 crisis.**
Karmabhumi Portal	**West Bengal** has launched a job portal 'KarmaBhumi' for IT professionals who have returned to the state amid the COVID-19 pandemic.
Halts Hydroxychloroquine	**WHO** halts Hydroxychloroquine trial for treating COVID-19 patients
Infectious Disease Diag Lab (I-Lab)	The government has launched the **country's first mobile I-Lab (Infectious disease diagnostic Lab)** for last mile Covid-19 testing access
Antiviral Drug Umifenovir	The Central Drug Research Institute (CDRI), Lucknow, has received permission for carrying out Phase III trials for the use of Umifenovir against Covid-19
Mask Day	**Karnataka** government observed the "Mask Day" **on 18 June 2020**. The Mask Day was observed **to aware the people about the use of masks, sanitisers, washing hands with soap** in order to control the spread of COVID-19 in the state.
Air-Venti App	**Mumbai** Municiapal Corporation gets 'Air-Venti' App to provide information on ICU beds, ventilators
World's largest COVID makeshift hospital	**Delhi government** is planning to build a 10,000-bed makeshift hospital for the treatment of COVID-19 patients under a sprawling tent in South Delhi. This would be the **world's largest COVID-19 facility, as it will be as large as over 22 football fields**.
NavRakshak Kit	**ICMR** approves **User-Friendly PPE Kit "NavRakshak"**
Cipremi	**Cipla's 'Cipremi'** gets approval for **Treatment of COVID-19 Patients in India**
Anthropause Period	Researchers have coined the term 'anthropause' **to refer to the Covid-19 induced lockdown period and they will study its impact on other species.**
Surakshit Dada-Dadi, Nana-Nani Abhiyan	'Surakshit Dada-Dadi, Nana-Nani Abhiyan' has been launched to ensure well-being of Senior Citizens amid COVID-19 pandemic.
First Plasma Bank in India	**Delhi government** has decided to start a 'Plasma Bank' in the national capital for the treatment of COVID-19 patients. **Recovered patients to donate their plasma in the bank.**

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Kill Corona	**Madhya Pradesh** government has announced that it will launch 'Kill Corona' campaign from July 1 in order **to screen all the households in the state.**
Dexamethasone drug	Health Ministry recommends the use of Dexamethasone drug for treating COVID-19 patients
COVAXIN	COVAXIN is the **first indigenously developed COVID-19 vaccine** to be approved for Human Clinical Trials
Project Platina	**World's Largest Plasma Therapy Trial** under Project 'Platina' launched by **Maharashtra**
Xenophobia	Currently *fear and hatred of strangers* (due to COVID 19)
COVID – 19: HCARD	a Robot to assist frontline healthcare warriors
Favipiravir Antiviral tablets	**Glenmark Pharma** – 1st company to get nod from DCGI for clinical trials for the treatment of COVID – 19 patients
ATULYA	Pune based Defence Institute of Advanced Technology (DIAT) develops the *microwave sterilizer ATULYA to Kill Corona Virus within 30 secs (56 – 60 deg celsius)*
Acute Encephalitis Syndrome (AES)	Fanned fear among the villagers and health officials of **Bihar**'s Muzaffarpur and neighbouring districts amid the novel coronavirus disease (COVID-19) lockdown
CSIR - CSIO	CSIR - CSIO develops Electrostatic Disinfection Machine for disinfection
REMDESIVIR DRUG	After the United States and Japan authorised the use of experimental drug remdesivir to treat Covid-19 patients, the *government of India has also begun weighing its options.*
New Symptoms for COVID - 19	**COVID TOE:** COVID Toe is a kind of rash that is being developed in COVID-19 patients *that they observed in 19 per cent of the cases examined.*
eCovSens	biosensor that can detect the novel coronavirus in **saliva samples** developed by National Institute of Animal Biotechnology (NIAB), Hyderabad
UV blaster	To fight against COVID -19 an *Ultra Violet (UV) Disinfection tower is developed by DRDO*
A2a Type Virus - Corona	National Institute of Biomedical Genomics (NIBMG), West Bengal, have found that the coronavirus has undergone mutations to form 10 different types **O Type Virus = China** **A2a Type Virus = India**
IIT Guwahati - Assam	Developed a device to identify patients of Coronavirus. They have **devised a drone that is equipped with an infrared camera** to aid in the thermal screening of a group of people without any human intervention.
IIT Ropar - Punjab	Developed a **trunk-shaped device fitted with ultraviolet germicidal irradiation technology** to sanitise grocery, currency notes etc.,
IIT Roorkee - Uttarakhand	**Prana - Vayu:** Developed a **low-cost portable ventilator** that can be useful for COVID-19 patients.
IIT Madras – Tamil Nadu	**Air Bin: "**Smart bin system" to prevent the spread of COVID-19 through waste generated at hospitals, clinics, and quarantine zones**.**
Special Corona fee	**Delhi government** will charge a "special corona fee" on sale of alcohol.

COVID Cess	**Haryana** levying "COVID Cess" on all types of liquor
Plasma Treatment for Corona	Introduced in Madras Medical College
Feluda Test Kit - Corona	✓ CSIR develops **low-cost, paper-based, 30-minute testing kit** 'Feluda' Testing kit has been named after *fictional character from Satyajit Ray's detective movie 'Feluda'.*
CHDCOVID App - *Chandigarh*	To provide COVID-19 information
Ayush Kavach COVID App – *Uttar Pradesh*	Information about Ayurveda Medicines to People
COVID KATHA - a multimedia guide on COVID-19	Union Minister of Science & Technology, Health & Family Welfare and Earth Sciences launched
Surakshit Dada – Dadi & Nana – Nani Abhiyan Campaign	Protect Senior Citizens during COVID - 19
ChAdOx1 nCoV-19 – Vaccine for COVID 19	Oxford University initiated a phase-1 human clinical trial of its vaccine ChAdOx1 nCoV-19 against the novel coronavirus
AYUSH Sanjivani App	Ministry of AYUSH of released
AYUSH medicines are Ashwagandha, Yashtimadhu and Guduchi Pippali	Union Health Ministry made announcement about the *beginning of clinical trials of AYUSH medicines for COVID-19 treatment*
Hypercapnia or hypercarbia	While using MASK regularly, having too much *carbon dioxide (CO_2) in your bloodstream* causes Hypercapnia
Hytopharmaceutical & favipiravir	CSIR has received approval for two clinical trial drugs
Triple combination Medicine	**Hong Kong** has trial out the combination of *interferon beta-1b, lopinavir–ritonavir, and ribavirin* for treating patients with COVID-19
COVID KAVACH ELISA	First Indian *antibody detection kit for coronavirus*
Defence Research Ultraviolet Sanitiser (DRUVS)	DRDO develops *DRUVS to sanitise electronic gadgets, papers, currency notes*
Swasth Vayu	NAL & CSIR *Non-invasive ventilator* for COVID-19 patients
Ultraviolet Germicidal radiation (UVGI)	Scientists are studying the use of ultraviolet germicidal radiation (UVGI) *to detect Coronavirus in schools, restaurants and other public places*.

Spirulina groundnut Chikki **Spirulina - *cyanobacteria (blue-green algae)***	CFTRI can provide **micro-nutrients and boost immunity of people** during this time of pandemic.
hmAbs that can neutralize SARS-CoV-2	CSIR approves project to develop '**hmAbs' that can neutralize SARS-CoV-2** in patients
PM CARES Fund Trust	Allocates Rs. 3100Crore for fight against COVID - 19
COBAS-6800	Union Health Minister dedicates COBAS-6800 testing machine to the nation *first such testing machine that has been procured by the government for testing of COVID-19 cases*
ELISA TEST KIT	ICMR-NIV, **Pune develops indigenous ELISA TEST kit** for COVID – 19 antibody detection
Mission Grand Care	**Kerala** – to spread message of elderly safely
'Aarogya' scheme complements	Tamil Nadu govt's 'Aarogya' scheme complements AYUSH Ministry schemes for boosting immunity through traditional medicines
Endemic Disease	World Health Organisation (WHO) predicted that novel *coronavirus could become endemic to the world*.
$1 bn loan	BRICS' Shanghai-based *New Development Bank (NDB) provides $1 bn loan to India to fight Covid-19*
NIPER Guwahati	NIPER Guwahati comes out with **two products in fight against COVID-19 pandemic** ♣ 3D-printed hands-free object 3D-printed antimicrobial face-shield
MIR AHD Covid-19 Dashboard - IIT Gandhinagar	Provide key information to stakeholders and the public in order to make research-backed decisions during the time of crisis.
Thermal Corona Combat Headgear	**Delhi Police** has launched an equipment **"Thermal Corona Combat Headgear"**
BPDS & POMID sprayer developed by CSIR-CMERI	♣ BPDS is Battery Powered Disinfectant Sprayer & POMID is Pneumatically Operated Mobile Indoor Disinfection Unit
IIT-Delhi	Ayurveda herb **Ashwagandha** has "therapeutic and preventive value" against Covid-19 infection.
Rail-Bot	**South Central Railway** zone develops 'Rail-Bot' *to provide better health care to COVID patients*
Resolution on COVID-19 response	WHO will be initiating Independent Inquiry in the handling of COVID – 19 *they launch "Resolution on COVID-19 response"*
Malicious Software Cerberus	CBI has sent alerts to *that is taking advantage of the Covid-19 pandemic.*

"SUKOON – COVID-19 Beat the Stress" – *J & K*	Spread awareness about the psychological impact of lockdown and measures to be adopted to overcome them.
Agappe Chitra Magna	Magnetic nanoparticle-based RNA extraction kit for use during testing for the detection of COVID-19
Kangra Tea	***Kangra Tea could lower coronavirus activity*** better than HIV drugs said Indian Council of Medical Research (ICMR)
PiCoVacc	♣ China has developed a coronavirus vaccine "PiCoVacc" China proved that the medicine is very effective in monkeys.
Moderna Coronavirus Vaccine - mRNA-1273	1st Coronavirus vaccine to show positive results after the it produced protective antibodies against SARS-CoV-2 virus (COVID-19)
Agappe Chitra Magna, - *a magnetic nanoparticles-based RNA extraction kit*	Launched by SCTIMST ***to detect COVID-19***
Banana Covid / fusarium wilt TR4	A novel fungus strain that has devastated plantations across the globe this year, is setting up **new hotspots and threatening output in India**, the world's largest producer of bananas
Panchgavya - Ayurvedic medicine	Clinical trial of Ayurvedic ***medicine for COVID-19 derived from Panchgavya to begin in Rajkot, Gujarat***
Operation Warp Speed	It is a public–private partnership, initiated by the Federal **Government of the United States**, to facilitate and accelerate ***the development of COVID-19 vaccines, therapeutics, and diagnostics.***
Bande Utkala Janani	**Odisha** to sing ***"Bande Utkala Janani"*** for ***COVID-19 Warriors***

Repurposed drugs offer hope in India's Covid fight	Diseases	Drugs
	HIV	Lopinavir / Ritonavir
	Leprosy	Mycobacterium w
	Skin Disorder	Itolizumab
	Arthritis	Tocilizumab
	Diarrhoea	Loperamied
	Ebola	Remdesivir
	Disulfiram	treatment of alcohol dependence

Arogya Sethu App	Multi - Lingual Mobile Application launched by Government of India to track COVID-19
JUNE ALMEIDA	June Almeida was a virologist who ***visualised the first human coronavirus.***
Tablighi Jamaat	Over 200 have tested positive for COVID-19 from among 4,000-odd who had gathered in Delhi's Markaz Nizamuddin, the headquarters of the Tablighi Jamaat.

Sahyog App	The Survey of India (SoI) has developed an app **to help the Government and public health agencies take critical decisions in response to the current Covid-19 pandemic situation**
Corona Kavach App	The Government of India launched Corona Kavach application **to map the location of a COVID-19 positive patient through GPS**.
Assess Koro Na App	The **Delhi Government** launched "Assess Koro Na" application to conduct door to door survey
Jan Aushadhi Sugam App	The Pharmacists of the Pradhan Mantri Janaushadhi Kendra established under the Pradhan Mantri Bhartiya Janaushadhi Pariyojana *are delivering essential medicines at the doorsteps of elderly and other patients.*
CoroFlu for COVID-19	Bharat Biotech along with virologists of University of Wisconsin and Madison have begun development and testing of a new vaccine called CoroFlu for COVID-19
Cytokine storm syndrome	Cytokine storm syndrome are seen in some cases of COVID-19 leading to higher mortality.
CARUNA	An initiative by **civil servants to fight against COVID-19**
JEEVAN	Indian Railway makes low cost prototype of Ventilator; ICMR to test the prototype.
Saptapadi	Prime Minister launched "Saptapadi" to fight against COVID-19. *Saptapadi is seven mantras to fight against the virus.*
Project Prana	The students and scientists of IISc Bengaluru have *developed indigenous ventilators under "Project Prana"*
Bio Suit	A Bio Suit has been developed by the Defence Research and Development Organization (DRDO) *to keep the medical professionals working with COVID-19 safe*
Prana Vayu	*Low Cost Portable Ventilator* developed by IIT Roorkee
5T plan	**The Government of Delhi** announced 5T plan to tackle the spread of Corona Virus in the Union Territory. *The 5T plan includes Testing, Tracing, Teamwork, Treatment and Tracking*
nCoVSENSE Module Kit	DST developed the Rapid Test Kit. The purpose of the kit is to make the testing quicker within 10 to 15 minutes.
COVSACK	DRDO has developed COVSACK to receive samples from COVID-19 infected patients. **The COVSACK is COVID-19 Sample Collection Kiosk.**
Cytokine Storm Syndrome (CSS)	❖ Accumulating evidence suggests that a subset of patients with severe Covid-19 might have a "Cytokine Storm Syndrome" (CSS). CSS is an overly vigorous immune response to a triggering event, mostly, certain viral infections.
Operation Sanjeevani	**India supplied 6.2 tonnes of essential medicines to Maldives**, under Operation Sanjeevani as assistance in the fight against Covid-19.
Operation SHIELD	**The Delhi government** launched the operation. SHIELD stands for Sealing, Home quarantine, isolation and tracing, essential supply, local sanitation and door-to-door checks

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Kerala's Kasaragod Model	The Centre showcased the contact tracing and containment model of Kerala's Kasaragod, one of the India's success stories of the containment exercise. ❖ It involves aggressive testing, technology, fool proof contact tracing, and an effective public awareness campaign. ❖ A special officer was appointed to coordinate functioning of the district administration and for effective coordination between line departments at field and secretariat levels. ❖ Section 144 was imposed in the entire district, with seven drones employed for surveillance. ❖ Under the Care for Kasaragod initiative, a detailed action plan, common coordinated action plan was drawn up for combating COVID-19 so that all stakeholders could turn to it when the situation arose
Free testing for Covid-19	**Free testing for Covid-19 shall continue to be made available to the poor eligible under the** *Ayushman Bharat Pradhan Mantri Jan Arogya Yojana.*
(PM-CARES) Fund	The Central Government has decided to accept contributions from abroad, irrespective of the nationalities, to the Prime Minister's Citizen Assistance and Relief in Emergency Situations (PM-CARES) Fund
State Disaster Response Funds (SDRF)	❖ The Ministry of Home Affairs issued an order authorising the States to use the fund ❖ To provide "for temporary accommodation, food, clothing, medical care, etc." to homeless people, including the stranded migrant labourers The government has decided to treat Covid-19 as a "notified disaster"
On April 3, 2020	PM Modi addressed India to **switch off their lights at 9 PM for nine minutes and light lamps or candle.** This is being done to show the united strength of the country against the virus.
YouTube, Zoom app and Google Classroom	Being used by the educational institutes for the e-learning
Healthcare Institutions Face Cyber Threats	The International Criminal Police Organisation (Interpol) has warned member countries that cyber - criminals are attempting to target major hospitals and other institutions on the front lines of the fight against Covid-19 with ransomware
SATYAM: Yoga Against Viruses	The Department of Science and Technology (DST) has initiated the Science and Technology of Yoga and Meditation (SATYAM) programme for fight against Covid - 19
Tiger being infected with Covid-19	**A Tiger being infected with Covid-19 in New York (Bronx Zoo)**, the Ministry of Environment, Forest and Climate Change has issued an advisory regarding the containing and management of Covid-19 in National Parks/Sanctuaries/ Tiger Reserves
Covid-19 Community Mobility Reports	**Google** has released 'Covid-19 Community Mobility Reports'. These reports aim to provide insights into what has changed in response to policies aimed at combating Covid-19.
Multi-feed Oxygen Manifold (MOM)	The **Andhra Pradesh** Government is to buy Multi-feed Oxygen Manifold developed by Indian Navy, Vishkhapatnam *to meet the requirement of oxygen supply to COVID-19 patients.*
Bharat Padhe Online Campaign	❖ The Ministry of Human Resources Development has launched a week-long campaign called "Bharat Padhe Online Campaign". ❖ *The campaign aims to improve online education in India*

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Remote Health Monitoring System	India's first remote Health Monitoring System set up in Rishikesh, Uttarakhand
Exercise NCC Yogdan	National Cadet Corps (NCC) launched "Exercise NCC Yogdan" *to offer a helping hand to the authorities fighting against COVID-19.*
Service Before Self	Ex-Service Men rise the motto "Service Before Self" **to fight against COVID-19**
Bacillus Calmette-Guerin (BCG) vaccination	According to a US-based research, a combination of reduced morbidity and mortality could make the **Bacillus Calmette-Guerin (BCG) vaccination a "game-changer" in the fight against novel coronavirus.**
Immunity Passport	❖ A few countries have started considering issuing "**immunity passports" or some kind of certificates indicating a person has immunity to COVID-19.** ❖ However, the World Health Organization has warned against idea of 'immunity passports'
Shadow pandemic	❖ The UN Women has urged member-states to include prevention of violence against women in their action plans on COVID-19. ❖ **It has also called the rise in gender-based violence a "shadow pandemic"**
Chitra GeneLAMP-N	❖ **It is a diagnostic test kit that can confirm COVID19 in 2 hours at low cost.** ❖ It has been developed by Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum, an Institute of National Importance, of the Department of Science and Technology (DST).
Bear bile	❖ For treating severe and critical cases of COVID-19, **Chinese government has recommended an injection of Tan Re Qing, which contains bear bile.** ❖ Bile from bears tends to be high in ursodeoxycholic acid, also known as ursodiol, which is helpful in dissolving gallstones and treating liver disease.
Arogya Sanjeevani insurance policy	The Union Government has announced that all COVID-19 hospitalisation expenses will be covered under Arogya Sanjeevani insurance policy.
Spain's Princess Maria Teresa	Died of COVID -19
COVID Action Platform	WEF, WHO and Wellcome Trust developed the platform
SARS-Cov-2 Structure	Pune National Virology Research Institute released the **"SARS-Cov-2 Structure"**
COVID – 19 Hospital	India's biggest COVID – 19 hospital will be planned to open at **"ODISHA"**
Kids, Vaayu & Corona: Who wins the fights?	The central government has released **a comic series** for Covid-19 awareness 'Kids, Vaayu & Corona: Who wins the fights?' *to spread awareness among children in the age group of 9-12 years.*
Indian Football Captain Sunil Chhetri	Chosen for FIFA's COVID – 19 campaign.
"CoNTec"	The Minister of Health and Family Welfare launched 'CoNTec', COVID-19 Telecommunication Centre
Corona Kavach	The Government of India has launched the Coronavirus tracking app "Corona Kavach"

Operation Namaste	✓ Operation Namaste is launched by Army Chief General Manoj Mukund Naravane.
	✓ This Operation is started to fight COVID-19.
	✓ Operation will cooperate in this operation and security forces have been started to avoid this epidemic.

Laws that came during, India Coronavirus Lockdown

Section 188 IPC	Deals with those disobeying an order passed by a public servant, and provides for imprisonment ranging from one to six months. For those violating orders passed under the Epidemic Diseases Act, Section 188 IPC is the provision under which punishment is awarded
Section 505 IPC	Provides for imprisonment of three years or fine, or both, for those who publish or circulate anything which is likely to cause fear or alarm. Section 54 of the Disaster Management Act provides for imprisonment, extending to one year, of those who make or circulate a false alarm or warning regarding a disaster or its severity or magnitude
Section 51 of the Disaster Management Act, 2005	Provides for punishment for two kinds of offences: obstructing any officer or employee of the government or person authorised by any disaster management authority for discharge of a function; and refusing to comply with any direction given by the authorities under the Act. Punishment can extend to one year on conviction, or two years if the refusal leads to loss of lives or any imminent danger.
Section 52, Disaster Management Act	Under Section 52, Disaster Management Act, whoever makes a false claim for obtaining "any relief, assistance, repair, reconstruction or other benefits" from any official authority can be sentenced to a maximum of two years imprisonment and a fine will be imposed on the person.

2. TAMIL NADU

S. No.	TAMIL NADU
1.	**Thervoy Kandigai Reservoir:** ✓ New (5th) major Reservoir of Chennai, after Poondi, Cholavaram, Redhills and Chembarambakkam located in Thiruvallur district. ✓ Inaugurated by Union Home Minister Amit Shah during his Chennai Visit. ✓ Chennai will get a dedicated reservoir for drinking water supply after a gap of 76 years
2.	**38th District:** On 7th April 2020, **Mayiladuthurai** becomes Tamil Nadu's 38th distrit after bifurcation of Nagapattinam
3.	**Kalaignar Karunanidhi breakfast scheme for school students - Puducherry**
4.	Tamil Nadu - **Best in organ donation** in the country - 6th consecutive year.
5.	Tamil Nadu - **best State award for water management - 2019**
6.	Tamil Nadu Fisheries Development Corporation Ltd - best Organisations for 2019-20 in the fisheries sector
7.	**'Thee' App -** Tamil Nadu CM launches 'Thee' app - to reach the Tamil Nadu Fire and Rescue Services in cases of fires, floods, mishaps in wells, chemical or gas leaks and other accidents.
8.	**Pal Pandi -** the Birdman of Koothankulam - won the **"Nature Conservative Award"**
9.	**Arogyam Scheme:** Chief minister Edappadi launched the Arogyam scheme to boost immunity against CORONA infections
10.	**KABASURA KUDINEER:** The Ministry of AYUSH has approved the "Kabasura Kudineer" and the "Nilavembu Kudineer" to boost the immunity.
11.	Tamil Nadu Governor - promulgated an ordinance - banned online gaming in the state, with a fine up to Rs 5,000 and imprisonment of up to six months.
12.	**Vinisha Umashankar -** a 14-year-old girl from Tiruvannamalai - won the **prestigious Children's Climate Prize** - for designing a mobile ironing cart using solar panels to power a steam iron box
13.	ISRO Chairman **Kailasavadivoo Sivan** awarded the **2020 Allan D. Emil Memorial Award** given by International Astronautical Congress (IAC)
14.	**www.ethottam.com:** Tamil Nadu government has launched the portal for the online shopping of the Fruits and Vegetables. Products will be delivered within 72 hrs.
15.	The Central government has nominated **VM Katoch**, President of JIPMER in Puducherry, as the President of the All-India Institute of Medical Sciences to be established in **Thoppur in the Madurai district.**
16.	CM Edappadi K. Palaniswami has launched the **'Namadhu-Arasu' portal.** This portal is created with help of the National e-Governance Division, Government of India.
17.	CM Edappadi K. Palaniswami unveiled a **Jallikattu statue (portraying a bull and a tamer)** in Kamaraj Nagar in Viralimalai
18.	CM Edappadi K. Palaniswami has launched the **"One Nation One Ration card"** in the Tamil Nadu

19.	CM Edappadi K. Palaniswami has launched **the new solid waste management system** for Chennai
20.	**Fortified rice scheme** is being implemented **in Tiruchirapalli** from October 1 for all ration card holders in the district. **Rice is fortified with iron, folic acid and Vitamin B12 to make it nutritious**
21.	**Tamil Nadu** ranked 1st place in the Blood donation
22.	The **restoration process of seagrasses** has been taken up by Tamil Nadu government in the **Gulf of Mannar.**
23.	**Governor Banwarilal Purohit** gave the assent an order to provide **7.5 % reservation in medical colleges**
24.	**Virudhunagar district** selected for the **"fully Digital Economy district"** because large number of small and medium enterprises are there in the district.
25.	**Nagapattinam District** tops in the **E-Sanjeevani OPD in the state.**
26.	**Tamil Nadu** becomes **1st state to unveil ethical AI, blockchain, cybersecurity policies in country.**
27.	Tamil Nadu government passed an order **to provide 7.5% reservation in medical colleges** to students studied from the state government schools and have cleared the NEET examination.
28.	**Cauvery - Vaigai - Gundaru River inter linking plan:** Tamilnadu Chief Minister Edappadi K Palaniswami has said that steps are being taken in Tamilnadu **to implement the 259 km river interlinking project**
29.	Tamil Nadu government launched 3501 **"Amma Mobile Fair Price Shops"**
30.	**L Victoria Gowri** from Kanyakumari district **appointed as the Assistant Solicitor General**
31.	**Nutrition park** to be set up in **Chandrasekharapuram, Namakkal**
32.	CM published **Pathinen Keelkanakku** songs Translated into German and French
33.	**Dheeraj Kumar Committee:** Constituted for implementing National Education Policy (NEP) 2020
34.	Tamil Nadu Chief Minister Edappadi K Palaniswami laid the foundation stone for the construction of two **"U" shaped flyovers on Rajiv Gandhi Salai**.
35.	India's 1st ever Woman Ambulance Driver: **M Veeralakshmi**
36.	TN government planned to open nearly **2000 Mini Clincs** across the state.
37.	A huge burial urn dating back to the Megalithic era was unearthed at the excavation site at Kodumanal village in Chennimalai Union.
38.	**President's police medal on Independence Day:** R Antony Johnson Jeyapaul and P Ravichandran
39.	**Chennai City Traffic Police:** Installed LED signaling 'poles' at a traffic signal near the office of the director-general of police on Marina Beach Road
40.	**Tamil Nadu government** disagrees with centre's Three Language Policy.
41.	**Amma COVID-19 Home Care Kit** launched by Tamil Nadu CM Costing Rs 2,500, the kit comprises a pulse oximeter, a digital thermometer, packs of herbal immunity boosters like 'Athimathuram' and 'Kabasura Kudineer'

42.	**Amma Platinum Plus Health Check – up Package introduced:**	
	Amma Gold	Rs. 1000
	Amma Diamond	Rs. 2000
	Amma Platinum	Rs. 3000
	Amma Platinum Plus	Rs. 4000

43.	Tamil Nadu ranked third in the export preparedness index 2020
44.	Tamil Nadu women top the list of MUDRA loan scheme
45.	➤ Microsoft Showcase School: Naranapuram Govt High School, Virudhunagar district. ➤ Microsoft Best Educator Internationally: Karunaidas, Maths Teacher - Naranapuram Govt High School, Virudhunagar district
46.	**ChAdOx1 nCoV-19:** Oxford University's Vaccine named COVISHIELD is started trial in Tamil Nadu's Rajiv Gandhi Government hospital and Porur Ramachandra Hospital.
47.	The Expert Appraisal Committee of the Environment Ministry has recommended for Coastal Regulation Zone (CRZ) clearance to the Chennai Port to Maduravoyal elevated corridor project
48.	**Archaeological Survey of India creates Trichy as new circle in TN** including Jabalpur, Jhansi, Meerut, Hampi, Raiganj and Rajkot for better upkeep of monuments.
49.	**Jeevan Raksha Padak for 2019:** Awarded to **R Sridhar from Thanjavur. He had saved six people from drowning in the Velayan lake in Orathanadu**
50.	**Aarti Ahuja Committee -** The five-member Central Team - to study the pandemic situation in Tamil Nadu
51.	**Paul Harris Fellow -** Chief Minister Edappadi K Palaniswami
52.	**GI Tag: Salem Thammampatti crafts work**
53.	**Apple** starts manufacturing flagship iPhone 11 Handsets **in Chennai's Foxconn Plant**.
54.	**SRM Medical College Hospital and Research Centre** has been chosen as a clinical trial site by the ICMR for the India's 1st indigenous COVID-19 vaccine (BBV152 COVID Vaccine).
55.	According to the Madras High Court order, **for the 1st time in the history of Tamil Nadu, the "Revenue Department" has taken charge of Sathankulam police station**.
56.	**Separate anti-torture law:** The alleged torture of a father-son duo in Sattankulam town in Tamil Nadu has given rise to the demand for a separate law against torture.
57.	**The services of Friends of Police (FOP)** has been suspended in Tamil Nadu
58.	Tamil Nadu government - **Backward Class status to Thiyya and Ezhava communities -** according to Atulya Misra's Committee report
59.	Four spherical weighing stones of different sizes have been unearthed at **Keeladi in Sivaganga district.**
60.	**"India's 2nd plasma bank" - Rajiv Gandhi Government Hospital, Chennai.**
61.	**Thanikachalam Panel:** TN government has formed **a new seven-member Backward Classes panel** under his chairmanship

62.	**Tara, a virtual voice teacher:** The Corporation school students in Chennai has started using a virtual voice teacher for improving language skills.
63.	**Prime Minister Narendra Modi interacted with N.Kaniga**, a student from Namakkal who had excelled in the Class XII board exams in his 'Mann ki baat' programme on 26th July 2020.
64.	**3 metro stations Renamed:** ➢ **Alandur Metro** = Arignar Anna Alandur Metro ➢ **Central Metro** = Puratchi Thalaivar Dr M G Ramachandran Central Metro ➢ **CMBT Metro** = Puratchi Thalaivi Dr J Jayalalithaa CMBT Metro
65.	**DMK MLA, J. Anbazhagan:** He represented the Chepauk-Thiruvallikeni constituency. He was the first legislator to die of COVID-19 in India.
66.	**www.tnprivatejobs.tn.gov.in:** Tamil Nadu government launches web portal for jobs in private sector
67.	J. Radhakrishnan replaces Beela Rajesh as the new Health Secretary of Tamil Nadu
68.	An 1 cm Gold Coin (Veerarayan Panam) belonging to 17th Century has been found near the Agaram area near Keezhadi Excavation
69.	The State Department of Archaeology, Chennai has identified 250 cairn-circles from the Kodumanal excavation site in Erode district of Tamilnadu.
70.	**New Emergency Helpline No. 044-40067108** was launched in Chennai for COVID-19 Emergency
71.	**Scorpaenopsis neglecta:** The Central Marine Fisheries Research Institute (CMFRI) have found a rare Scorpionfish (Scorpaenopsis neglecta) from Sethukarai coast in the Gulf of Mannar.
72.	Vishnu & Jain Sculptures belonging to 9th & 10th Century found in the Kanimaarthoppu at Boothaloor near Thanjavur
73.	**Namma Chennai Corona Thaduppu Thittam -** New COVID testing plan for Chennai - door-to-door Check up
74.	**Arsenicam Album 30 – Homeopathy Medicine** - TN approved the use of the Homeopathy Medicine for Corona affected person
75.	**MURASU, NEER:** Tropical cyclone gets Tamil name by the World Meteorological Organization.
76.	**Silapathikaram Park – Madurai:** The project aims to bring back trees that are mentioned in the Tamil Epic Silapathikaram
77.	**J. Radhakrishnan:** Former Health secretary appointed as the special nodal officer for Chennai Corporation to coordinate COVID-19
78.	Greater Chennai police introduced a **"robot' (Robot Cop LD v5.0)** in Mylapore **- to handle residents who live in containment areas**
79.	**Amma Thirumana Mandapam:** Tamil Nadu Housing Board has planned to build the "Amma Thirumana Mandapam" across the state
80.	**KAVASAM APP:** Chennai based Combat Vehicles Research and Development Establishment developed the app to help COVID - 19 warriors fight virus
81.	**Tamil Nadu government increases retirement age from 58 to 59**
82.	**GCC Vidmed App:** Greater Chennai Corporation launched to provide free telemedicine consultations for Chennaiites

83.	**Madurai Railway Station** got the **ISO cerification**
84.	**Cauvery Water Management Authority brought under Jal Shakti Ministry** which was earlier under the Ministry of Water Resources, River Development and Ganga Rejuvenation.
85.	**Chronic Obstructive Pulmonary Disease:** The Chief Minister has launched the Mobile X-Ray Van for identified the "Chronic Obstructive Pulmonary Disease**"**
86.	According to the Pradhan Mantri Krishi Sinchayee Yojana, **Tamil Nadu has been the Topmost state at the all-India level for micro-irrigation**
87.	**Pon. Kalaiyarasan Committee:** To Review the Reservation for Tamil Nadu Government School Students in Medical seats.
88.	**Helpline Number 181, 1091, 112:** The Tamil Nadu government has launched the Helpline Numbers for the Women against the domestic Violence.
89.	The **Tamil Nadu Food Safety and Drug Administration** has made it mandatory for the **temple administrators to obtain BHOG certificate from FSSAI (Food Safety and Standards Authority of India).**
90.	The Chief Minister announced the creation of an Information Centre Park, Nemili and Mannur villages in Sriperumbudur taluk
91.	**Chalo App:** The bus passengers in Chennai can now 'live' track government buses using 'Chalo' app
92.	**CoBuddy App:** Tiruvallur Police have launched an app to provide a platform between people on home quarantine for Covid-19 and the state government.
93.	The Tamil Nadu government is planning to set up a **new solar park project in Kamuthi, 30km from Kadaladi, in Ramanathapuram district**
94.	The Chief Justice of Madras High Court Amreshwar Pratap Sahi constituted the first-ever all-women Full Bench (comprising three judges): **Pushpa Sathyanarayana, Anita Sumanth and P.T. Asha**
95.	Chief Minister released the book about his three-year achievements namely "Coffee Table Book"
96.	For the Farmer's welfare, **"NADANTHAI VAZHI CAVERY SCHEME"** has been launched to Restoration of Cavery River and its tributary
97.	**Girl Child Protection Scheme, 2020** was launched by the chief minister on 26th February 2020
98.	**2nd International Airport in chennai** was planned to set up **in Parathoor near Kancheepuram district.**
99.	Coimbatore based social entrepreneur**, Arunachalam Muruganantham has obtained the patent rights for the low-cost sanitary pad-making machine**
100.	**Tamil Nadu Polymer Industries Park** will be planned to set up at **Ponneri, Thiruvalluvar district.**
101.	Tamil Nadu has launched the Central government's **"ONE NATION, ONE RATION CARD" scheme in Tuticorin and Tirunelveli districts of the State on 1st February 2020 as a pilot project.**
102.	Chief Minister inaugurated a **new cricket stadium in Kariveppilapatti near Thalaivasal in Salem district on 9th February 2020.**

103.	Chief Minister laid the foundation stone for the **Advanced Institute for Integrated Research on Livestock and Animal Sciences on 9th February 2020 at Thalaivasal in Salem district.**
104.	Chief Minister laid the foundation of the new centralized kitchen of Akshaya Patra Foundation's – **"BREAKFAST SCHEME" (KAALAI UNAVU THITTAM)** for Chennai Corporation Schools on 15th February 2020
105.	**Riya, a transgender,** became the first person from the community to get elected as Tiruchengode Panchayat Union member from Karuveppampetti ward
106.	**J Sandhiya Rani,** a 21-year-old has become the **youngest woman village panchayat president** in the state to get elected as Kattinaikanthotty village panchayat in Krishnagiri district
107.	The Goat Research Institute will be set up at Sankarankoil in Tenkasi district
108.	**India's highest Female Child Birth rate has been Registered in Tamil Nadu:** ✓ India = 914 Females / 1000 Males ✓ Tamil Nadu = 943 Females / 1000 Males
109.	**Thiruverkadu Police** had introduced the first set of boards with QR (quick response) codes recently within their limits. **The boards are intended to help people find the nearest police station.**
110.	**The Governments of Tamil Nadu and Kerala** planned to conduct a joint study of the archaeological sites at **Muziris near Kodungallur, Kerala, and Keeladi in Sivaganga district.**

COMMITTEE:

Justice K. Chandru Committee	The State government has appointed Justice K. Chandru, retired judge of Madras High Court as the chairman of a fee - fixation committee for private agricultural colleges in the State. His name was nominated by Chief Justice Amreshwar Pratap Sahi.
Justice C Manickam Committee	To organize Jallikattu 2020 in Avaniyapuram, Palamedu and Alanganallur in Madurai

Swachh Survekshan Awards 2020	**< 10 Lakh Population:** ➢ Coimbatore – **40th Place** ➢ Madurai – **42nd Place** ➢ Chennai - **45th Place** & *Best Mega City in Innovation and Best Practices.*
	< 1 Lakh Population: ➢ Trichy – **102nd Place** ➢ Tirunelveli – **159th Place**
Swachh Sundar Samudayik Shauchalaya (SSSS) campaign	**Best District:** Tirunelveli **Best Gram Panchayat:** Chinnaur, Salem

TAMIL NADU GOVERNMENT's INDEPENDENCE DAY AWARDS 2020:

AWARD	PERSON / Organization
TN CM's Special Award for COVID – 19	WHO Chief Scientist **Soumya Swaminathan**
Kalpana Chawla Award	Senthamizh Selvi, Muthamaal & Ananthavalli
Abdul Kalam Award	S Selvakumar
Best Corporation	Vellore
Best Municipality	**Viluppuram** – 1st Rank **Karur** – 2nd Rank **Koothanallur** – 3rd Rank
Best Town Panchayat	**Vanavasi** (Salem) - 1st Rank **Veerapandi** (Theni) - 2nd Rank **Madukkarai** (Kovai) - 3rd Rank

Sahitya Akademi Prize 2019 for her Tamil translation:

Jeyasri	**Work:** "Nilam Poothu Malarntha Naal"

THIRUVALLUVAR DAY AWARDS – 2020:

AWARDS	RECIPIENTS
Kamarajar Award	M S Mathivanan
Periyar Award	Senji S Ramachandran
Ke. Aa. Pe Viswanatham Award	Manimegalai Kannan
Bharathidasan Award	Thenisai Chellapa
Thiru.Vi.Ka Award	S Sundararasan
Bharathiyar Award	P Sivaraj
Perarignar Anna Award	K Samarasam
Ambedkar Award	K Arjunan
Thiruvalluvar Award	Nithyananda Bharathi
Perarignar Anna Award	K Samarasam
Kabilar Award	Vetriyazhagan
Kambar Award	Saraswathi Ramanathan

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U. Ve. Sa. Award	V. Mahadevan
Sollin Selvar Award	Kavidasan
Umaruppulavar Award	Liakath Ali Khan
G.U. Pope Award	Maria Joseph Xavier
Ilango Adigal Award	Thirugnanasambandham
Amma Literary Award	Umayal Muthu
Singaravelar Award	S.K. Subramanian
Maraimalai Adigalar Award	P. Muthukumaraswamy
Ayothidas Pandithar Award	V. Prabhakaran
Thamizhthai Award for 2019	Chicago Tamil Sangam

HIGHLIGHTS OF THE TAMIL NADU BUDGET 2020-2021:

PRESENTED BY: Deputy Chief Minister Mr. O. Paneerselvam

PRESENTED ON: 14 – 02 - 2020

Every Year on **24th February**, birth anniversary of the late chief minister J Jayalalithaa will be celebrated as the **"STATE GIRL CHILD PROTECTION DAY"**

- ➢ Tamil Nadu's economy grew at 8.17 per cent in 2018-19.
- ➢ In 2019-20, growth is projected to be 7.27 per cent,
- ➢ Which is significantly higher than the projected all India growth rate of 5 per cent.

Tamil Nadu Energy Development Agency (TEDA) will establish '**Amma Green Gramam**' as *sustainable energy villages with mini rural renewable energy parks each with a capacity of 5 MW*.

The Tamil Nadu Solar Energy Policy 2019 that was recently unveiled by the Hon'ble Chief Minister, will increase the *solar power generation capacity of the State to 9,000 MW by 2023*.

Kadaladi Ultra Mega Solar Photovoltaic Park Power Project with a capacity of *500 MW at a cost of Rs.2,350 crore.*

A new *Tamil Nadu State Child Policy* is under formulation and will be launched shortly.

The Chief Minister has sanctioned an amount of Rs.12.21 crore for the *establishment of a world class new site museum at Keeladi*

The Chief Minister Declare the *Cauvery Delta Region as a* "*Protected Special Agricultural Zone (PSAZ)"* - The protected zone will include **Thanjavur, Tiruvarur, Nagapattinam districts and delta regions of Trichy, Ariyalur, Cuddalore and Pudukkottai**

Tamil Nadu securing the **first rank amongst 18 biggest States** in the composite ranking in the *Good Governance Index* released by Government of India on December 25, 2019.

The Government will launch the **'Uzhavar–Aluvalar Thodarbu Thittam'** to ensure closer interface of department officials with farmers

- ➢ The Government will launch the **Tamil Nadu Road Safety Mission**, to co-ordinate the efforts of different departments and agencies to achieve the goal of **'Road accident-free Tamil Nadu'**
- ➢ Road safety cells will be created in Chennai, Madurai and Coimbatore Corporations.

The Chief Minister launched the *Tamil Nadu Water Resources Conservation and Augmentation Mission* as a people's movement.

The Government has obtained the environmental clearance for the *Athikadavu - Avinashi irrigation scheme.* A sum of Rs.500 crore is provided in the Budget Estimates 2020-21 for this project.

The Government will launch a new five year '**Chief Minister's Rural Self Sufficiency Development Programme**' for the rural development

Erode, Vellore and Hosur has been selected for the *"Tamil Nadu Sustainable Urban Development Project"*

3. NATIONAL

S. No.	NATIONAL
1.	**SEX RATIO: With 1,084 females born per thousand males - Arunachal Pradesh recorded the best sex ratio in the country** - followed by Nagaland at 965 females and Mizoram at 964 according to "Vital statistics of India based on the Civil Registration System (CRS)" report. **For Improving Child Sex Ratio Government is implementing many schemes:** <table><tr><td>Sukanya Samriddhi Yojana</td><td>Beti Bachao, Beti Padhao</td></tr><tr><td>Girl Child Protection Scheme</td><td>Rashtriya Mahila Kosh</td></tr><tr><td>Pradhan Mantri Matru Vandhana Yojana</td><td></td></tr></table>

2.	**Prime Minister's Ladakh Visit:**
	❖ For reviewing the security situations amid continues claims of China for sovereignty over India's territory at the Galwan Valley.
	❖ **PM Modi Mentioned a Thirukkural in her Speech:**
	  ✓ "மறமானம் மாண்ட வழிச்செலவு தேற்றம் எனநான்கே ஏமம் படைக்கு"
	  ✓ பொருள்: வீரம், மானம், சிறந்த வழியில் நடக்கும் நடக்கை, தலைவரால் நம்பித் தெளியப்படுதல் ஆகிய இந்த நான்கு பண்புகளும் படைக்கு சிறந்தவையாகும்.
	  ✓ பால்: பொருட்பால்; அதிகாரம்: படைமாட்சி; குறள்: 766

3.	**Gas leak in Vizag pharma plant -** Visakhapatnam - **Hydrogen sulphide vapours** leaked from the reactor of a pharmaceutical company's plant.
4.	**Project Cheetah:** ➢ The Indian Armed Forces have decided to revive "Project Cheetah" amidst tensions with China. ➢ Project Cheetah is to upgrade the drones to carry out offensive operations against the enemy.
5.	**Project Dolphin and Project Lion:** To protect these species in their natural habitat in a holistic manner.
6.	**India's First State-Level 'E-Lok Adalat'** conducted by **Chhattisgarh High Court**
7.	**Visakhapatnam Gas Leak:** *Toxic Styrene gas leak* from LG polymers plant in Visakhapatnam, Andhra Pradesh on **8th May 2020** ❖ **Styrene Molecular formula: C_8H_8** ❖ **Structural formula: $CH_2 = CHC_6H_5$** ❖ **Molecular Mass: 104.15 g mol^{-1}**

8.	**The Government of India unveiled three schemes** with Rs. 48,000 crores *to promote electronics manufacturing in India:*
	➢ Production Linked Incentive (PLI) Scheme
	➢ Scheme for Promotion of Manufacturing of Electronic Components and Semiconductors (SPECS)
	➢ Modified Electronics Manufacturing Clusters (EMC 2.0) Scheme
9.	The Ministry of Shipping renamed as **the Ministry of Ports, Shipping and Waterways.**
10.	PM Modi inaugurates **Asia's largest solar energy 750 MW project** *in Madhya Pradesh's Rewa district.*
11.	**Luhri hydropower project -** in Shimla and Kullu districts on the Satluj river in Himachal Pradesh.
12.	Demand for 6th Schedule Status or Article 371 (A) of the Constitution - **Arunachal Pradesh**
13.	As per the Tigers Report 2018, **an increasing rate of 6% per annum of Tiger population in India** from the year 2006 to 2018 was observed
14.	**World's Largest Camera Trapping Wildlife Survey:**
	➢ Fourth Cycle of All India Tiger Estimation 2018 enters Guinness Book of World Records.
	➢ The fourth cycle of the All-India Tiger Estimation 2018 counted 2,967 tigers, which is about 75% of the global tiger population.
15.	**Gau Cabinet** - **Madhya Pradesh** - for the protection and promotion of cattle
16.	**5 Rafale multi-role combat jets**: Rafale jets arrived in Ambala Air Force base, Haryana. Would be inducted into the IAF as part of its Ambala-based No 17 Squadron, also known as the 'Golden Arrows'.
17.	**Mission Purvodaya** - The Union Minister of Petroleum & Natural Gas and Steel said that India cannot become Aatmanirbhar without eastern India becoming self-reliant. He also said that Purvodaya- eastern India has to drive national growth.
18.	**Mission Karmayogi:** The Union Cabinet has approved launching of "Mission Karmayogi"- National Programme for Civil Services Capacity Building (NPCSCB).
19.	**Nadaun Police Station in Himachal Pradesh** has been ranked as **one of the best Police Stations of the country**
20.	**Operation Thunder** - INTERPOL, WCO and India Customs intercept 18 tonnes of Red Sandalwood destined for the United Arab Emirates
21.	**Minimum Age of Marriage for Girls:** central government has set up a committee to reconsider the minimum age of marriage for women, which is currently 18
22.	**Garima Greh** - Union Minister for Social Justice & Empowerment e-inaugurated - **A Shelter Home for Transgender Persons** in Vadodara, Gujarat.
23.	**Indian Railways** will be the largest Railway in world to have **100% electrification by 2030 replacing diesel.**
24.	India Targets - to Fully Convert Andaman And Nicobar, Lakshadweep Islands to Green Energy.

25.	The Ministry of Road Transport and Highways has issued a notification making FASTags mandatory for all four-wheel vehicles from 1st January 2021.
26.	Maharashtra – 4th state to setting up of a desalination plant in Mumbai- Tamil Nadu has been the pioneer in using this technology - setting up two desalination plants near Chennai in 2010 and then 2013
27.	The Prime Minister called on citizens to observe a **"Janata Curfew"** by staying indoors on 22nd March 2020 between 7am and 9pm to express their resolve in avoiding public interaction to the bare minimum
28.	**Sahakar Pragya -** Union Agriculture Minister unveiled - to impart training to primary cooperative societies in rural areas.
29.	The Virtual Court (traffic) and e-Challan project have (12th November 2020) inaugurated - Assam
30.	The **6th International Day of Yoga** will be held in Leh, capital of Ladakh on 21st June 2020
31.	**Female Pedestrians on Traffic Signals: Mumbai**'s Dadar becomes the first city to have female icons on traffic signals
32.	The Union Petroleum and Natural Gas Minister inaugurated - the Seismic Survey Campaign by Oil India Limited.
33.	**Safaimitra Suraksha Challenge -** The Challenge, launched on the occasion of World Toilet Day (November 19) - aimed at preventing 'hazardous cleaning' of sewers and septic tanks and promote their mechanized cleaning.
34.	**Kakrapar Atomic Power Plant**, **Unit-3 (KAPP-3),** Gujarat has attained criticality at around 09:36 Hrs on 22 July 2020. It is **India's first 700 MWe (megawatt electric) Pressurized Heavy Water Reactor (PHWR)** with innovative features.
35.	Haryana State Employment of Local Candidates Bill, 2020 has been passed paving way for more employment opportunities for locals in private sector.
36.	**Gujarat Maritime Board (GMB)** - to develop a maritime cluster at GIFT City in Gandhinagar
37.	**LNG fuelling stations** - installed across the golden quadrilateral and major National Highways.
38.	**Kerala Public Service Commission** - implement **10% reservation quota in government jobs** for the Economically Weaker Sections (EWS).
39.	**Kerala** - introduced **Section 118A in the Kerala Police Act**, to penalise 'offensive,' 'abusive,' and 'threatening' social media posts.
40.	**Kerala -** 1st Marine Ambulance **- 'PRATHEEKSHA'**
41.	**India's first International Women Trade Centre** to be set up in **Kerala**
42.	Karnataka CM B S Yediyurappa flagged off **first RORO train from Bengaluru to Solapur in Maharashtra.**
43.	India's first trans-shipment hub in **Cochin port, Kerala**
44.	**Largest Solar Power Plant at Indian Naval Academy, Ezhimala, Kerala** has been commissioned by the Vice Admiral Anil Kumar Chawla. **It is a 3 MW Solar Power Plant**

45.	**Vyapar Mala Express Train -** Northern Railway - It will help small traders in moving their cargo through Railways, in a short time, cost effective, convenient and environment-friendly mode of transportation.
46.	The Ministry of Food Processing launched the GIS One District One Product (ODOP) digital map of India.
47.	**One Sun, One World, One Grid (OSOWOG) Plan:** Prime Minister Narendra Modi has announced the plan there will be a trans-national electricity grid, for supplying solar power across the globe.
48.	Environmental activists and local residents in Uttarakhand are opposing the cutting of trees for a project to expand **Dehradun's Jolly Grant airport.**
49.	**Jharkhand** passed a resolution - to recognize **Sarna religion -** include it as a separate code in the Census of 2021.
50.	**Kerala** - to withdraw the general consent accorded to the Central Bureau of Investigation (CBI) to operate in Kerala.
51.	Union Health Minister said that the aim of the government is to make India **Trans Fat free** by **2022,** a year ahead of target set by World Health Organization
52.	**Meri Saheli** - Indian Railways has launched to provide safety and security to lady passengers travelling by trains for their entire journey from starting station to destination station.
53.	**Child Care Leave** - The Union Minister of Personnel, Public Grievances, Pensions said that the **male employees of the government are also now entitled to Child Care Leave**.
54.	**Gujarat High Court** has become the first Court to live stream judicial proceedings on YouTube channel.
55.	**HINDU WOMEN'S INHERITANCE RIGHTS:** The Supreme Court has expanded a Hindu woman's right to be a joint legal heir and inherit ancestral property on terms equal to male heirs
56.	**STATUE OF PEACE –** PM unveiled the 151-inch-tall statue - To mark the 151st Birth Anniversary celebrations of Jainacharya Shree Vijay Vallabh Surishwer Ji Maharaj in Pali, Rajasthan
57.	**Punjab** became the first State in the country to formally reject the Central government's three Farm Acts by passing three Bills to negate the Union laws.
58.	**Uttar Pradesh government** has secured the first rank in central government's the **PM Atmanirbhar Nidhi Scheme (SVANidhi Scheme)** by approving the highest number of loans under the scheme in the country.
59.	Union Minister for Road Transport, Nitin Gadkari has inaugurated the **440-metre-long tunnel as part of the Chardham Connectivity Project** (Chardham Pariyojana) in Chamba
60.	The Prime Minister Narendra Modi launched the **world's longest temple ropeway project** at Girnar in Junagadh, **Gujarat**
61.	Indian Railways is constructing the **world's tallest pier bridge (114m)** in **Manipur** across river Ijai near Noney
62.	The **Assam** government has inaugurated **a 1.8-km ropeway** across the Brahmaputra River (Guwahati), and described it as **India's longest river ropeway**

63.	The Railways Minister Piyush Goyal has announced, **India's first cable-stayed Railways Bridge "Anji Khad Bridge"** to connect Katra and Reasi in Jammu and Kashmir (J&K).
64.	The Ministry of Social Justice & Empowerment launched **the 'Ambedkar Social Innovation and Incubation Mission (ASIIM)'** for Scheduled Castes (SCs) to promoting innovation and enterprise among SC students studying in higher educational institutions.
65.	The Prime Minister Narendra Modi inaugurated various projects under Integrated Development of Kevadia in Gujarat. He inaugurated **Arogya Van and Arogya Kutir**. He also inaugurated the Ekta Mall, and Children Nutrition Park.
66.	The Prime Minister Narendra Modi flagged-off of the **"Ekta Cruise Service to the Statue of Unity"**
67.	The Prime Minister Narendra Modi inaugurated **Sardar Patel Zoological Park** and Geodesic Aviary Dome in Kevadia, **Gujarat.**
68.	**India's 1st Seaplane Project:** The seaplane services in Gujarat, connecting Sabarmati River in Ahmedabad to the Statue of Unity in Kevadia in Narmada district, inaugurated on October 31, the birth anniversary of Sardar Vallabhbhai Patel.
69.	Nine people were killed after a massive fire swept through the **Srisailam hydroelectric plant, Andhra Pradesh**
70.	The Prime Minister Narendra Modi dedicated to the nation the **World's longest Highway tunnel "Atal Tunnel"**
71.	Chemicals and Fertilizers Ministry has revised the Production Linked Incentive Schemes for promoting domestic manufacturing of bulk drugs and medical devices.
72.	India's 1st ever **multi-modal logistic park** to be set up in **Assam**
73.	**Goa** has become the **1st Har Ghar Jal State** in the country by providing tap water connection to every rural household.
74.	Indian Oil has started a common number **(7718955555) 24x7** for the customers for Indane LPG refill booking across the country for customer convenience.
75.	The Cabinet Committee on Economic Affairs, CCEA approved Mechanism for procurement of ethanol by Public Sector Oil Marketing Companies under **Ethanol Blended Petrol Programme**.
76.	The Prime Minister Narendra Modi announced the construction of **66 MW Dhaulasidh Hydro Project** at Hamirpur, Himachal Pradesh.
77.	**Amendment Related to Land in Jammu and Kashmir:** The Centre notified that the 'Union Territory of Jammu and Kashmir Reorganisation (Adaptation of Central Laws) Third Order, 2020', which states that any **Indian citizen can now buy land in Jammu and Kashmir (J&K) without being a domicile.**
78.	The Cabinet Committee on Economic Affairs has approved that **100% of the food-grains and 20% of the sugar s**hall be mandatorily packed in diversified jute bags.
79.	**Uttar Pradesh** has launched a 6-month long women empowerment campaign '**Mission Shakti**' to raise awareness and tackle crime against women in the state.
80.	Union Education Minister launched the '**KAPILA' (Kalam Program for Intellectual Property Literacy and Awareness) campaign**

81.	CSIR and KPIT successfully ran trials of India's first Hydrogen Fuel Cell (HFC) prototype car running on an indigenously developed fuel cell stack at CSIR-National Chemical Laboratory, Pune.
82.	Union Minister for Science & Technology inaugurated the **"DBT-BIRAC Clean Tech Demo Park"** at Barapullah drain site in Sarai Kale Khan, New Delhi.
83.	The National Institute of Oceanography will carry out the translocation of 18 coral colonies from the coast of Mumbai for the Mumbai Coastal Road Project.
84.	The central government has extended the Employees' State Insurance (ESI) Scheme to Arunachal Pradesh, with effect from 1st November, 2020.
85.	The **National Green Tribunal (NGT)** has declared that the environmental clearance (EC) granted to the **Kaleshwaram Lift Irrigation Project in Telangana**.
86.	The **Rajasthan** decided to build temporary shelters for migratory birds near the Sambhar Lake (near Jaipur) before 2020's winter season.
87.	National Medical Commission (NMC) has replaced the Medical Council of India (MCI), as per the gazette notification issued by the Ministry of Health and Family Welfare
88.	Prime Minister released the **new logo for the Jal Jeevan Mission**. He also unveiled the 'Margadarshika for Gram Panchayats and Paani Samitis under Jal Jeevan Mission' (Guidelines for the Village Panchayats and Water Committees)
89.	**India's first toy manufacturing cluster** to come up at **Koppal, Karnataka**
90.	**Karnataka** CM launched the **India's 1st Integrated Air Ambulance Services** at Jakkur Aerodrome, **Bangalore**
91.	**India's 1st Coast Guard academy** to come up at **Mangaluru, Karnataka**
92.	PM inaugurated **6 mega development projects in Uttarakhand under the Namami Gange Mission.**
93.	**Shikshak Parv** is being celebrated from 8th-25th September 2020 to felicitate the teachers and **to take New Education Policy (NEP) 2020 forward.**
94.	**Kerala** is set to lay the foundation stone for MedSpark, one of the first medical device parks in the country, in Thiruvananthapuram.
95.	**Uttarakhand** government has decided to develop **'Sanskrit Gram' across the state**
96.	**Maharashtra** has banned the sale of loose cigarettes and beedis, in a bid to reduce the consumption of tobacco and to comply with the Cigarettes and Other Tobacco Products Act (COTPA) 2003
97.	**PM Narendra Modi** inaugurated the "Ganga Avalokan" Museum of River Ganga at Chandi Ghat, Haridwar
98.	**India's Largest Piggery Mission** launched in **Meghalaya**
99.	**World's first Compressed Natural Gas (CNG) terminal** to be set up at Bhavnagar port, Gujarat

100.	**Dinacharya & Ritucharya:** The Vice President, Venkaiah Naidu emphasised the importance of a healthy body and healthy mind saying "we have to follow the concepts of "**Dinacharya" - daily regimes and "Ritucharya" - seasonal regimes to maintain a healthy life.**
101.	**India's 1st exclusive private jet terminal** inaugurated at International airport in New Delhi
102.	**SAMVEDNA:** The apex child rights body National Commission for Protection of Child Rights (NCPCR) has launched a toll-free tele-counselling helpline number **1800-121-2830 for children affected during COVID-19 for providing counselling and psycho-social support.**
103.	**World's longest high-altitude tunnel:** The **tunnel (13.5 Km long)** is proposed to be built on the border between **Ladakh and Himachal Pradesh.**
104.	**PM Narendra Modi** inaugurates **Kosi Rail Mega Bridge in Bihar**
105.	**Indian Railways** have planned for **100% electrification** of its **broad-gauge routes by 2023.**
106.	**World's longest span concrete deck extra-dosed cable stayed bridge** inaugurated in Hyderabad, **Telangana**
107.	**India's 'biggest' film city** to be establish in Gautam Buddh Nagar, **Uttar Pradesh**
108.	**Haryana Orbital Rail Corridor Project:** From Palwal to Sonipat via Sohna-Manesar-Kharkhauda has got the cabinet approval.
109.	Uttar Pradesh CM Renames **Agra Museum After Chhatrapati Shivaji**
110.	The Union Cabinet approved the **Jammu and Kashmir Official Languages Bill, 2020,** proposing to also make **Kashmiri, Dogri, Hindi and English** official languages of the Union Territory
111.	A massive landslide crushed a settlement of 83 tea estate workers in Munnar in Idukki, Kerala.
112.	**Tabletop Airport:** On 7 August 2020, a **Boeing 737 aircraft of Air India Express (the low-cost subsidiary of national carrier Air India)** overshot the runway while landing at Calicut International Airport. The crash killed 18 people and over 100 were injured. The accident has once again turned the spotlight on operations to what are called 'tabletop airports' in India.
113.	**Kisan Rail:** Between **Maharashtra's Devlali and Bihar's Danapur Railway station**. It will be covering a distance of 1,519 kilometres in around 32 hours.
114.	**Manodarpan -** launched by the Union HRD Minister, Shri Ramesh Pokhriyal 'Nishank' – to ensure mental well-being of the students.
115.	**Double stack container Train:** Indian Railways has commissioned the first high rise Over Head Equipment (OHE) and successfully ran a double stack container in electrified territory on Western Railway (1st Double Stack Container train).
116.	**Assam Gas Leak:** A gas leak has occurred at Baghjan well in Tinsukia district of Assam
117.	**Andhra Pradesh Government:** India's first Online Waste Exchange launched
118.	**Kerala:** 1st state to provide free internet for the poor.
119.	**Odisha cabinet** gives state anthem status to "Bande Utkala Janani"
120.	**Uttar Pradesh** has become the **top state in India** to provide employment to the workers under the Mahatma Gandhi National Rural Employment Guarantee Scheme **(MGNREGA)**

121.	**Green Field Expressway Project:** The Government of India agreed to convert the **Delhi-Amristar-Katra Expressway into a green field project.**
122.	Kerala government - **Athirapally Hydro Electric Project (AHEP)** on the Chalakudy River in Thrissur district - The project will have an installed capacity of 163 MW.
123.	**Jal Jeevan Mission** - providing piped drinking water to all rural households by **2024**
124.	**Gairsain** - Summer Capital of Uttarakhand
125.	**Jaya Jaitly Task Force -** work on the issues of women and child development
126.	PM Narendra Modi **-** reiterated on the need to manufacture products that are 'Made in India' but are 'Made for the World'.
127.	**Kolkata Port** renamed as **Syama Prasad Mookerjee Port.**
128.	**STREE programme -** Hyderabad police launched 'STREE' programme - support and empower women victims of domestic violence and abuse.
129.	**Plant Health Clinic - Manipur** launched to provide plant health diagnostic services to farmers.
130.	**Vamsadhara River Water Dispute:** Between Andhra Pradesh and Odisha
131.	**Odisha -** 1st state in the country to receive ISO certification for hostels meant for tribal students
132.	**Mission Suvidya -** Odisha government launched - to provide all the tribal hostels of the state uniform standards of infrastructure, amenities and human resources.
133.	**Food Safety Index 2019-20:**
134.	**LOCUST ATTACK:** Rajasthan, Punjab, Maharashtra & Madhya Pradesh & so far
135.	"Cauvery Water Management Authority - under the Jal Shakthi Ministry"
136.	**African swine flu:** 1st instance of African swine fever has been reported in the Assam
137.	**Hog cholera RNA Virus:** In Meghalaya for Pigs
138.	**VANDE BHARAT MISSION – THROUGH FLIGHT:** Vande Bharat Mission is the biggest evacuation exercise to bring back Indian citizens stranded abroad amidst the coronavirus-induced travel restrictions
139.	**OPERATION "SAMUDRA SETU" – THROUGH SHIP:** Indian Navy has also launched the Operation to repatriate Indian citizens from overseas
140.	**INS Kesari** sets sail on Covid aid mission to Indian Ocean countries under Mission Sagar

141.	Lata Mangeskar sings "JAYTU BHARATAM" song for Atma Nirbhar Bharat
142.	**Herbal roads**: Uttar Pradesh government will develop 800 km roads as Herbal roads in the state
143.	**Hindi** as Official Court Language in **Haryana**
144.	**A group of Nihangs attacked a Punjab police party** and chopped off the hand of an assistant sub-inspector when stopped for a curfew pass. Nihang is an order of Sikh warriors.
145.	The Union Cabinet approved the proposal **to set up major port at Vadhvan in Maharashtra**
146.	**Restaurant for vultures:** a feeding station for vultures in the Pong Dam Lake Wild Life sanctuary in Kangra district of Himachal Pradesh.
147.	Google announced the launching of India's next cloud region in Delhi by 2021.
148.	Odisha Chief Minister launched **"Mo Jeeban Programme"** to contain the spread of COVID-19 in the state
149.	The Election Commission allowed usage of indelible ink for stamping persons for home quarantine by the health authorities
150.	**The Gujarat** has topped solar roof top plant installations across the country
151.	**The Maharashtra** has approved the implementation of the "**happy hour**" for the autorickshaws in the state.
152.	**The Andhra Pradesh** has been ranked 1st for the overall implementation of Poshan Abhiyan, as per a report by NITI Aayog
153.	Indian Railways started its first railway restaurant "**Restaurant on Wheels**" at Asansol railway station for the usage of its passengers and common people.
154.	**Donald Trump visited India** becoming first US President to come to India on a stand-alone visit in the seven decades of Indo-US diplomatic ties. **'Namaste Trump' event was organised on the lines of 'Howdy, Modi!' held in Houston last year.**
155.	**Arunachal Pradesh** government is planning to build a highway named East-West Industrial Corridor which includes a 40-km elevated stretch through the core areas of Pakke Tiger Reserve
156.	**Kerala** will impose a **ban on the sale of compact fluorescent lamps (CFL) and incandescent (filament) bulbs from November 2020.**
157.	**Odisha** launched a **virtual police station** to provide more comfort and ease to its citizens in registering complaints
158.	**Andhra Pradesh** inaugurated the **first Disha Police Station in Rajamahendravaram**
159.	**Karnataka** announced the launch of a new doorstep delivery scheme **"Janasevaka scheme"**
160.	**India 's first intercity electric bus service** between Mumbai and Pune was started on 14th February 2020.
161.	India celebrated its **71st Republic Day on 26th January 2020** ✓ **CHIEF GUEST:** Brazilian President Jair Bolsonaro
162.	

163.	**Telangana state** has declared the **"Year 2020 as the Year of Artificial Intelligence"**
164.	<table><tr><td>**Amaravati**</td><td>Legislative Capital</td></tr><tr><td>**Visakhapatnam**</td><td>Executive Capital</td></tr><tr><td>**Kurnool**</td><td>Judicial capital</td></tr></table>
165.	**Kerala -** 1st state in India to pass an Anti - Citizenship Amendment Act (CAA)
166.	India's 1st Rehabilitation Centre for Freshwater Turtles - **Bihar**
167.	**Andhra Pradesh -** "Jagananna Amma Vodi programme" - a financial assistance of ₹15,000 will be provided to Parents or guardians who send their children to school.

NATIONAL COUNCIL FOR TRANSGENDER PERSONS CONSTITUTED

The Council has been formed under Transgender Persons (Protection of Rights) Act, 2019.

The Council is to be headed by the Union Social Justice Minister.

The Council will also have joint secretary level members from ministries of health, minority affairs, education, labour, rural development.

Apart from the ministries, the council will also have members from Human Rights Commissions, NITI Aayog and National Commission for women.

NATIONAL DIGITAL HEALTH MISSION (NDHM)

The National Digital Health Mission (NDHM), which was unveiled by PM Modi in his Independence Day address, has now been rolled out on a pilot mode in six Union territories (Chandigarh, Ladakh, Dadra and Nagar Haveli and Daman and Diu, Puducherry, Andaman and Nicobar Islands and Lakshadweep)

The vision of National Digital Health Mission is to create a national digital health ecosystem which provides timely and efficient access to inclusive, affordable, and safe healthcare to all citizens.

SUBMARINE OPTICAL FIBRE CABLE (S - OFC)

Prime Minister Narendra Modi inaugurated and dedicate to the Nation the submarine Optical Fibre Cable (OFC) of nearly 2300 KM length connecting Chennai and Port Blair on 10th August, 2020.

The submarine cable will also connect Port Blair to Swaraj Dweep (Havelock), Little Andaman, Car Nicobar, Kamorta, Great Nicobar, Long Island, and Rangat.

The submarine OFC link will deliver bandwidth of 2 x 200 Gigabits per second (Gbps) between Chennai and Port Blair, and 2 x 100 Gbps between Port Blair and the other islands.

PM Modi announced the Optic Fibre Linking of **Lakshadweep Islands** with the mainland during his address at the 74th celebrations of Independence Day.

NEW EDUCATION POLICY 2020

A panel headed by **former ISRO chief K. Kasturirangan** submitted a draft in December 2018, which was made public and opened for feedback after the Lok Sabha election in May 2019

Public spending on education by states, Centre to be raised to 6% of the GDP.

Ministry of Human Resource Development to be renamed **Minister of Education.**

The NEP proposes changing the existing 10+2 Curricular and Pedagogical Structure with 5+3+3+4 design covering the children in the age group 3-18 years. Phil degree will be abolished.

4. INTERNATIONAL

S. No.	INTERNATIONAL
1.	**WHO year 2021** designated as the **"International Year of Health and Care Workers"**
2.	The BRICS has adopted a **new counter-terrorism strategy** to effectively deal with terrorism.
3.	**Peru's fifth president Manuel Merino**, was forced out of power, just five days after taking office, as massive protests swept the South American country
4.	**Bangladesh** – 1st Islamic school for transgender Muslims
5.	**India** is ranked as the world's second-largest arms importer after Saudi Arabia
6.	**Luxembourg in Europe** has become the first country to make all forms of "public transport free"
7.	On November 1, observed every year in **Gilgit-Baltistan as "Independence Day"**, Pakistan Prime Minister Imran Khan announced to give "provisional provincial status".
8.	**Pangda village: new border village built by China**. The village is located on territory by China and Bhutan. The area is east of the **India-Bhutan-China trijunction on the Doklam plateau**.
9.	**China** - build a **"super" dam** on the lower reaches of the **Yarlung Zangbo river** close to the Line of Actual Control (LAC) in Tibet
10.	The Government of India is providing assistance to Friendly Foreign Countries to overcome natural calamities and COVID-19 pandemic, and towards the same **INS Airavat** is carrying a consignment of **100 Tonnes of food aid for the people of Sudan.**
11.	**Reciprocal Access Agreement (RAA) -** Japan and Australia have signed a landmark defence deal in a bid to counter China's growing influence in the South China Sea and over the Pacific island nations.
12.	**Hurricane Iota** - made landfall in Nicaragua in **Central America**
13.	**Britain** has officially left the European Union (EU) on 31st January 2020 and has **become the first country to leave the 28-member bloc.**
14.	Super **Typhoon Rolly or Goni** slammed into the **Philippines**
15.	For the third time in ten years, the **United States territory of Puerto Rico has voted in favour of statehood**, and thus be treated at par with the current 50 states of the country.
16.	**New Zealand** declares **climate emergency**, pledges **to become carbon neutral by 2025**
17.	**Japan** to Achieve **Zero Carbon Emissions By 2050**
18.	India and the United States signed the Basic Exchange and Cooperation Agreement (BECA).
19.	**Sudan** became the **third Arab nation** to normalise relations with Israel, days after the US removed it from its State Sponsor of Terrorism list.
20.	Chinese foreign ministry said that the not to recognize Hong Kong BNO passports as valid travel documents**.**

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21.	**Russian** President has proposed extending by one year the New START (Strategic Arms Reduction Treaty) between the USA and Russia expiring in February 2021.
22.	**Financial Action Task Force (FATF)** decided to keep **Pakistan on its "grey list"**
23.	Australia has agreed to join the Malabar Exercise on India's request.
24.	**Bahrain and Israel** are signing a joint communique on the **establishment of diplomatic, peaceful and friendly relations**
25.	**Pakistan** has been re-elected to the United Nations Human Rights Council despite opposition from activist groups over its abysmal human rights records.
26.	The Indus Water Treaty (IWT) between India and Pakistan marks its 60th anniversary on 19th September 2020.
27.	**Pakistan** has decided to **elevate Gilgit-Baltistan's status to that of a full-fledged province**
28.	**Pakistan's New Map:** ➢ Pakistan has released a new political map that includes all of Jammu & Kashmir, Ladakh, Sir Creek and Junagadh. ➢ The map has been released on the eve of the first anniversary of the abrogation of special status to Jammu and Kashmir under Article 370.
29.	**Sonamura-Daudkandi inland waterway route** between India and Bangladesh was operationalised. **Daudkandi is in Bangladesh, while Sonamura is in Tripura, India.**
30.	**India and Japan** signed a **logistics agreement** that will allow armed forces of both sides to coordinate closely in services and supplies. **The agreement is known as Acquisition and Cross-Servicing Agreement (ACSA).**
31.	In Somalia, **a cargo plane crashed at Aden Adde International Airport in capital Mogadishu.**
32.	**The government of Bangladesh** has announced **national mourning to honour the memory of the former President of India Pranab Mukherjee** who passed away.
33.	**Barakah Nuclear Plant:** The United Arab Emirates became the first Arab country to open a nuclear power plant, when the Unit 1 of the Barakah Nuclear Plant in Abu Dhabi, got operational on 31 July 2020
34.	**Senkaku-Diaoyu Islands Dispute - Japan and China** claim the uninhabited islands, known as the Senkaku in Japan and Tiaoyu in China
35.	**Mali President Ibrahim Boubacar Keita** has announced his resignation amid a military coup. The development comes after more than two months of regular demonstrations calling for him to step down three years before his final term was due to end.
36.	**Mauritius** declared a national emergency over an oil spill near its coast.
37.	US President Donald Trump announced that the **United Arab Emirates (UAE) and Israel** have agreed to establish full diplomatic relations as part of a new peace deal
38.	**Sri Lankan government** has granted approval **to abolish the 19th amendment to the constitution and replace it with the 20th amendment.**
39.	**Apple** surpasses Saudi Aramco to **become world's most valuable company**

40.	**Lebanon trembles with devastating blast:**
	➢ In Beirut, the capital of Lebanon a huge blast triggered off in a port warehouse where highly explosive material was stored.
	➢ Ammonium nitrate has involved in the explosion.
41.	**World Health Organization** has declared Africa free of polio
42.	**Red notice for Trump -** *Iran* has issued an arrest warrant for US President Donald Trump over the killing of top Iranian general in January, Qasem Soleimani.
43.	Russia has conducted a successful flight test of an MGTD-20 gas turbine 3D-printed aircraft engine. The flight tests were held at Kazanbash aviation centre in Tatarstan. I
44.	**Pakistan and China** have signed an agreement for **the 700 MW Azad Pattan hydel power project** on the Jhelum River in Sudhnoti district of Pakistan occupied Kashmir (PoK).
45.	Maldives & Sri Lanka eliminate measles & rubella, ahead of 2023 target
46.	India and Bhutan opened a new trade route between Jaigon in West Bengal and Pasakha in Bhutan
47.	First trial container ship flagged off from **Kolkata to Agartala through Chattogram Port of Bangladesh**
48.	Bangladesh bans free internet services for Social media
49.	China plans to build 6-8 Nuclear Reactors per year from 2020 to 2025
50.	US Federal Communications Commission (FCC) has designated two Chinese companies - **Huawei Technologies and ZTE Corporation as national security threats**
51.	**Rapper Kayne West** announced his candidacy for US Presidential Elections 2020 with the hashtag 2020 Vision.
52.	New Bhutanese Territory Claimed by China: China has made new territorial claims in the eastern sector of Bhutan's Trashigang district.
53.	**India - Maldives** sign agreement to establish **"Emergency Medical Services"**
54.	Scientists confirmed the existence of an eighth continent, called Zealandia, under New Zealand in 2017.
55.	World Trade Organization (WTO) General Council has granted the "Observer" status to the central Asian country Turkmenistan.
56.	**India** to be re-elected as **non-permanent member of UN Security Council UNSC**
57.	**Kenya** selected for the African seat in the UNSC Elections 2020
58.	**Mount Merapi,** an active volcano in **Indonesia,** erupted twice on 21st June, 2020
59.	**India and Bhutan** signed a pact for the construction of the **600 MW Kholongchhu joint venture hydroelectric project in Bhutan.**
60.	**ANAK KRAKATAU:** It is a volcanic island in the Sunda Strait between the Java and Sumatra islands in Indonesia.

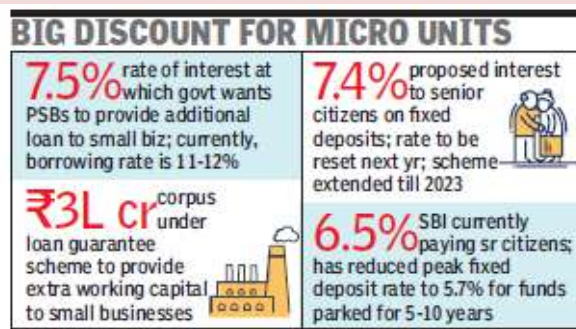| 61.	**Kangaroo Mother Care (KMC):** ✓ It is the intervention where babies are placed in skin-to-skin contact with their mothers and exclusively breast fed. ✓ It has been recommended worldwide for stable low-birth weight new borns. ✓ WHO recommends that it be continued till baby attains a weight of 2.5 kg or till babies wriggle out
62.	**Pakistan Prime Minister** Imran Khan has declared **a national emergency** in the country because of the massive locust attack damaging the entire crops in the Punjab province of Pakistan
63.	China has celebrated the Year 2020 as the "YEAR OF RAT"
64.	WHO selected the year 2020 as the "Year of the Nurse and Midwife"
65.	**Statue of Unity in Gujarat** has been included in **8 wonders of SCO (Shanghai Cooperation Organization)**
66.	**Palau** - first country to ban sun cream that is harmful to corals and sea life.
67.	**Ghana** - To replicate the **Indian Government's Ujjwala scheme** to provide access to clean cooking fuel (LPG) for poor households at affordable rates

5. ECONOMICS

S. No.	ECONOMICS
1.	**Lakshmi Vilas Bank (LVB)** merged with **DBS Bank India.**
2.	15th Finance Commission led by **Chairman N K Singh** - submitted its Report for the period 2021-22 to 2025-26 to the President of India.
3.	Prime Minister Modi launched a platform for **"Transparent Taxation - Honouring the Honest"** aimed at boosting the confidence of the taxpayer and making him/her fearless.
4.	The new '**Positive Pay**' mechanism introduced by the Reserve Bank of India (RBI) will make cheque payments safer and reduces instances of frauds.
5.	Global energy majors have called on the **Government of India to bring natural gas under the GST regime** at the India energy Forum
6.	**Reserve Bank of India** has issued guidelines for **appointment of Chief Compliance Officer (CCO)** in banks to ensure uniform approach with regard to compliance and risk management culture across the banking industry.
7.	**HDFC Bank** launched '**Shaurya KGC (Kisan Gold Credit) Card**', a loan product for the armed forces
8.	Titan and SBI launched Titan Pay, India's 1st Contactless Payment Watches
9.	**China** sold **negative-yield debt for the first time**, and this saw a high demand from investors across Europe. As yields in Europe are even lower, there was a huge demand for the 4-billion-euro bonds issued by China.
10.	**GSTR-2B:** Goods and Service Tax Network (GSTN) launched GSTR-2B for the month of July 2020 as an auto-drafted input tax credit (ITC) statement.
11.	**Punjab National Bank** has launched a **'DIGITAL APNAYEN'** to encourage customers to use digital banking channels.
12.	Reserve Bank of India will conduct its first-ever Open Market Operation (OMO) purchase of State Developments Loans (SDLs)
13.	**India's first Neobank for teenagers**, FamPay has launched India's 1st numberless card, **"FamCard"**
14.	**GDP Contracted by 23.9% in First Quarter:** National Statistical Office (NSO) data**, India's Gross Domestic Product (GDP)** growth contracted by 23.9% in the first (April-June) quarter of 2020 compared to the April-June in 2019.
15.	**India's Gross Domestic Product (GDP) contracted 7.5%** in the **second quarter of 2020-21**, following the record 23.9% decline recorded in the first quarter, as per estimates released by the National Statistical Office.
16.	Swiggy launches digital wallet 'Swiggy Money' in partnership with ICICI Bank
17.	Chief Minister of Nagaland, Neiphiu Rio has launched "Yellow Chain" a centralized e-commerce system

18.	RBI cut repo rate by 250 basis points till onset of COVID-19
19.	Bank of Baroda, State Bank of India, and erstwhile Oriental Bank of Commerce were felicitated for being the top three in the 'Top Performing Banks' category according to the EASE 2.0 Index Results.
20.	European Forest Institute (EFI) published the 10-point Action Plan for a Circular Bioeconomy of Wellbeing.
21.	World Bank Group and the WTO jointly published a report titled "Women and Trade: The Role of Trade in Promoting Women's Equality"
22.	HDFC Bank offers instant car loans to existing customers through an initiative called "ZipDrive"
23.	The Cabinet Committee on Economic Affairs has marginally increased the Minimum Support Price (MSP) of six rabi crops for 2021-22.
24.	**Turant Customs: Central Board of Indirect Taxes and Customs (CBIC**) has launched its flagship programme "Turant Customs". Turant Customs is a mega reform for the ease of doing business.
25.	The National Strategy for Financial Education (NSFE): 2020-2025 document was released by the Reserve Bank of India (RBI).
26.	**IRCTC & SBI Card** launches Co-branded Contactless Credit Card
27.	**Lakshmi Vilas Bank** launches **"LVB DigiGo"** instant account opening facility
28.	**Karnataka Bank** launches **health insurance to cover COVID-19 pandemic**
29.	**IndusInd Bank -** mobile-based current account opening facility
30.	**Severely disrupted economic activities due to COVID – 19 outbreaks:** ❖ S&P Global Ratings and Fitch Ratings have said India's economy will shrink by 5% in the current fiscal ❖ While Moody's has projected a contraction of 4%
31.	**India – Nepal dispute:** Nepal unveils new map showing Kalapani, Limpiyadhura and Lipulekh regions of Uttarakhand, as part of its sovereign territory
32.	**Digital Yuan: China** seeks to be the first major economy to launch a digital currency
33.	**BHASHAN CHAR:** Island of Bangladesh – For Rohingya Rufugees
34.	**Under-5 Mortality Rate:** U5MR dropped 49% since 2000

35.	**Govt pushes PSU banks to provide cheaper loans to small businesses:**
	BIG DISCOUNT FOR MICRO UNITS **7.5%** rate of interest at which govt wants PSBs to provide additional loan to small biz; currently, borrowing rate is 11-12% **₹3L cr** corpus under loan guarantee scheme to provide extra working capital to small businesses **7.4%** proposed interest to senior citizens on fixed deposits; rate to be reset next yr; scheme extended till 2023 **6.5%** SBI currently paying sr citizens; has reduced peak fixed deposit rate to 5.7% for funds parked for 5-10 years

36.	**Global nutrition targets 2025:**
	Stunting TARGET: 40% reduction in the number of children under-5 who are stunted **Anaemia** TARGET: 50% reduction of anaemia in women of reproductive age **Low birth weight** TARGET: 30% reduction in low birth weight **Childhood overweight** TARGET: No increase in childhood overweight **Breastfeeding** TARGET: Increase the rate of exclusive breastfeeding in the first 6 months up to at least 50% **Wasting** TARGET: Reduce and maintain childhood wasting to less than 5%

37.	The Lok Sabha passed the bill to implement the "Direct Tax Vivaad se Vishwas" scheme on 4th March 2020

38.	The 39th GST Council meeting, chaired by the Finance minister Nirmala Sitharaman was held in New Delhi on 14th March 2020

39.	**PM Narendra Modi Speech:**
	Atmanirbhar Bharat **The Road Ahead** **5 Pillars of Self-Reliant India** **Economy** Quantum jumps, not incremental changes **Infrastructure** One that represents modern India **System** Technology driven **Demography** Vibrant demography of the largest democracy **Demand** Full utilisation of power of demand and supply **Atmanirbhar Bharat Abhiyan** Package of ₹ 20 lakh crores (about 10%of GDP*) | Focus on Land, Labour, Liquidity and Laws | To cater to labourers, middle class, cottage industry, MSMEs and industries among others *including recent economic measures and RBI announcements **Bold Reforms– Need of the Hour** Supply Chain Reforms for Agriculture | Rational Tax System | Simple and Clear Laws | Capable Human Resource | Strong Financial System

40.	**Helicopter Money:**
	❖ With the **increasing economic crisis**, Helicopter Money is a solution being suggested by economic specialists all over the world.
	❖ Helicopter Money was the term framed by an American Economist Milton Friedman.
	❖ Helicopter Money is the monetary policy tool used for Quantitative Easing. It aims to dump money into a struggling economy.
41.	**International Monetary Fund (IMF)** released the World Economic Outlook report depicting India as the **5th largest economy in the world**
42.	**Operation Twist:**
	❖ RBI to Restart Operation Twist
	❖ RBI has decided to conduct simultaneous purchase and sale of government securities under Open Market Operations (OMO) for ₹10,000 crore each on April 27, 2020 considering the current and evolving liquidity and market conditions.
	❖ Such **Open Market Operations are known as 'Operation Twist,'** which was used by the RBI in December, 2019 for the first time.

12 KEY ANNOUNCEMENTS UNDER AATMANIRBHAR BHARAT 3.0:

Booster dose | A look at the fresh stimulus steps announced by the Finance Minister

Jobs
A new **Atmanirbhar Bharat Rozgar Yojana** mooted to spur job creation

• Govt. to foot **two years' EPF dues** (24% of wages) for new employees hired between Oct. 1, 2020 and June 30, 2021

• People earning less than **₹15,000 per month** who lost jobs between March 1 and Sept. 30 to be covered if re-employed

• Firms with more than 50 employees must hire **at least 5 more** to be covered

Farmers
Govt. to provide **₹65,000 crore** as fertilizer subsidy to ensure adequate availability in view of the expected rise in sown area

• Additional **₹10,000 crore** announced for the PM Garib Kalyan Rozgar Yojana which could be used for MGNREGS or PM Gram Sadak Yojana

Salaried taxpayers
Some income tax relief for purchase of residential units of value up to **₹2 crore**

• Permissible differential under Income Tax Act between circle rate and agreement value to be raised from **10% to 20%** for primary sale of new units till June 30, 2021

Infrastructure
₹18,000 crore allocated to PM Awas Yojana to build urban housing, over the ₹8,000 crore allotted in the Budget

• Govt. expects this would create **78 lakh new jobs** and drive

demand for 25 lakh MT of steel and 131 lakh MT of cement

• Free up infrastructure contractors' capital by reducing performance security charges, and scrapping earnest money deposits for bidding on government projects

• **₹6,000 crore** equity infusion in debt platform of National Infrastructure Investment Fund, which will be used to raise **₹1.1 lakh crore** for infra projects by 2025

• **₹10,200 crore** additional funding for capital and industrial expenditure

Stressed sectors
Emergency Credit Line Guarantee Scheme extended till March 31, 2021

• New scheme to provide credit to firms in the healthcare sector and 26 other sectors identified as 'stressed'

If you take all the packages and the RBI measures announced so far, a total of ₹29,87,641 crore has been given so far as stimulus. A total of 15% of GDP. The Central government on its own has provided 9% of GDP as stimulus
NIRMALA SITHARAMAN

Finance Minister's Speech on 13-05-2020	
Finance Minister's Speech on 14-05-2020	

Finance Minister's Speech on 15-05-2020	**AatmanirbharBharatAbhiyanPackage Part-3** — Focus on Agriculture and Allied Sectors (1/2) — Measures to strengthen Infrastructure Logistics and Capacity Building. Agri Infrastructure Fund for farm-gate infrastructure: ₹1 lakh crore. Formalisation of Micro Food Enterprises: ₹10,000 crore. Pradhan Mantri Matsya Sampada Yojana: ₹20,000 crore. National Animal Disease Control Programme launched: ₹13,343 crore. Animal Husbandry Infrastructure Development Fund: ₹15,000 crore. Promotion of Herbal Cultivation: ₹4000 crore. Beekeeping initiatives: ₹500 crore. Operation Greens to be extended from Tomatoes, Onion and Potatoes to all fruits and vegetables. — **Part-3 Focus on Agriculture and Allied Sectors (2/2)** Governance and Administrative Reforms. Amendments to Essential Commodities Act. Agriculture food stuffs like cereals, edible oils, onions etc. to be deregulated. Stock limit to be imposed under very exceptional circumstances. No such stock limit shall apply to processors or value chain participant. Agriculture Marketing Reforms: Central law will be formulated to provide for: Farmer to sell produce at attractive price; Barrier-free Inter-State Trade; Framework for e-trading of agriculture produce. Facilitative legal framework for engaging with processors, aggregators, large retailers, exporters etc. Risk mitigation for farmers, assured returns and quality standardisation.
Finance Minister's Speech on 16-05-2020	**FDI CAP IN DEFENCE PRODN NOW 74%** — COAL: Commercial mining introduced; Nearly 50 blocks to be offered immediately; No eligibility conditions, upfront payment with a ceiling; Infrastructure development of ₹50,000 crore; MINING: 500 mining blocks to be offered through open auction process. DEFENCE PRODUCTION: List of weapons/platforms to be notified for import ban; indigenisation of imported spares; Corporatisation of ordnance factory board, stock market listing; FDI limit in defence manufacturing raised to 74% from the present 49%. CIVIL AVIATION: Curbs on utilisation of Indian airspace to be eased to boost civil flying; Benefit of ₹1,000cr per year for sector from this measure. 6 more airports to be bid out on PPP basis in 2nd round, 6 more in 3rd round; additional investment by pvt players in 12 airports to be ₹13,000cr. POWER: Tariff policy reform, direct benefit transfer for subsidy, smart prepaid meters, time-bound grant of open access; Discoms to be penalised for load shedding; Privatisation of distribution in Union Territories.
Finance Minister's Speech on 17-05-2020	JOBS: Additional ₹40,000cr for MGNREGS, will help generate 300cr person days work. PSU REFORMS: All sectors open to the private sector; Number of PSEs in strategic sectors will ordinarily be 1-4; others will be privatised/merged/brought under holding companies; In other sectors, PSEs will be privatised. SUPPORT TO STATES: Increase in borrowing limits of states from 3% to 5% of GDP, for 2020-21 only, linked to reforms. This will give states extra resources of ₹4.3 lakh cr. EASE OF DOING BUSINESS: Minimum threshold to initiate insolvency action raised to ₹1cr (from ₹1 lakh, which insulates MSMEs); Suspension of fresh initiation of insolvency proceedings up to 1 year depending on situation; Empowering Centre to exclude Covid-19-related debt from definition of 'default' for triggering insolvency; Direct listing of securities by public companies in permissible foreign jurisdictions. HEALTH: Infectious diseases hospital block in all districts; Integrated public health labs in all districts and block level labs and public health units to manage pandemics. EDUCATION: PM e-vidya for multi-mode access to digital education. One TV channel per class from 1 to 12. Top 100 universities will be permitted to automatically start online courses by May 30. Table: Tranche 1 — 5,94,550; Tranche 2 — 3,10,000; Tranche 3 — 1,50,000; Tranche 4 & 5 — 48,100; Sub Total — 11,02,650; Earlier Steps, Including PMGKY — 1,92,800; RBI Measures — 8,01,603; Sub Total — 9,94,403; Total — 20,97,053.

6. SCHEMES / YOJANAS

SCHEMES / YOJANAS	PURPOSE / Why in News?	MINISTRY / CABINET / STATE
Indira Gandhi Matritva Poshan Yojana	a maternity benefit scheme, which mothers will get ₹6,000 for the second child.	Rajasthan
Pradhan Mantri Kisan Urja Suraksha evem Utthan Mahabhiyan (PM KUSUM)	The scheme aims to add solar and other renewable capacity of 25,750 MW by 2022	Ministry of New and Renewable Energy (MNRE)
Kisan Suryodaya Yojana	Providing 16 hours of power supply to farmers (5 AM to 9 PM).	Gujarat
AYUSHMAN SAHAKAR	To assist cooperatives to play an important role in creation of healthcare infrastructure in the country.	Union Minister for Agriculture
Kala Sanskriti Vikas Yojana	For the promotion of art and culture in the country.	Ministry of Culture
Thalassemia Bal Sewa Yojna	To provide a one-time cure opportunity for Haemoglobinopathies like Thalassaemia and Sickle Cell Disease for patients who have a matched family donor.	Union Minister for Health and Family Welfare
Kumhar Sashaktikaran Yojana	electric pottery wheels distributed to 100 potter families	Maharashtra
Ghar Tak Fibre scheme	Aims to connect all 45,945 villages of Bihar with high-speed optical fibre internet by 31st March 2021	Bihar
Garima scheme	For sanitation workers to ensure their safety	Odisha
Shuchi Scheme (a menstrual hygiene project)	Sanitary Napkin scheme for school & college students	Karnataka
YSR Sampoorna Poshana	To providing nutritious food for pregnant women and lactating mothers along with children	Andhra Pradesh
YSR AASARA SCHEME	Alleviating the poverty in both rural and urban areas and to improve the productivity	Andhra Pradesh
Mukhyamantri Mahila Utkarsh Yojana	The scheme will provide interest-free loans to women's groups in the state	Gujarat

Mukhymantri Kisan Kalyan Yojana	Financial assistance scheme for farmers	Madhya Pradesh
Moksha Kalash Yojana	To allow free bus travel to two members of the family of the deceased to immerse ashes of their loved ones in the Ganga in Haridwar.	Rajasthan
Mukhyamantri Grammya Paribahan Achon	Distributed light motor vehicles to the beneficiaries under this scheme	Assam
Paryatan Sanjeevani Scheme	To Provide Loan to Entrepreneurs	Assam
ORUNODOI Scheme	for Women Financial Empowerment	Assam
Indira Rasoi Yojana	For the poor to providing nutritious food to the poor and needy twice a day on concessional rates.	Rajasthan
Pradhan Mantri Jan-Dhan Yojana (PMJDY)	National Mission for Financial Inclusion, completes six years of successful implementation on 15th August 2020	
Gramodyog Vikas Yojana	For the benefit of artisans involved in manufacturing of Agarbatti under the Gramodyog Vikas Yojana.	The Ministry of Micro, Small and Medium Enterprises
YSR Cheyutha Scheme	This scheme aims at equipping women of SC/ST/OBC/minority castes. The Financial benefit of Rs. 75000 is to be provided over a period of four years to those women who come under 45 to 60 years of age.	Andhra Pradesh
Indira Van Mitan Yojana	The aim is to make the forest dwellers of the state self-reliant.	Chhattisgarh
Atma Nirbhar Bharat Saptah	The scheme aims to shift India towards local manufacturing and aid "Make in India" initiative.	Defence Minister Rajnath Singh launched
Mukhya Mantri Kisan Sahay Yojana	The yojana has been announced for the current Kharif season and all farmers of the state will be covered under this scheme	Gujarat
Major Dhyan Chand Vijaypath Yojana	The Uttar Pradesh government launches the scheme, **19 international players from the state will get road connectivity to their houses.**	Uttar Pradesh
Paudhe Lagao, Paryavaran Bachao	❖ A mega tree plantation drive on 2nd July 2020. ❖ The name of the campaign is 'Paudhe Lagao, Paryavaran Bachao meaning 'Plant Trees, Save Environment'.	Delhi Government

Balaram Yojana	To provide crop loans to landless farmers.	Odisha government
Mission Vriksharopan - 2020	More than 25 crore saplings were planted on 5th July	Uttar Pradesh government
Nekar Samman Yojane	A relief scheme for weavers.	Karnataka government
Madhu Babu Pension Yojana	Odisha Government announced that transgenders are to be included under Madhu Babu Pension Yojana.	Odisha Government
Navin Rojgar Chhatri Yojana	For all-round development of the Scheduled Castes.	Uttar Pradesh government
Mukhya Mantri Ghar Ghar Ration Yojana	To help the eligible beneficiaries get ration delivered at home.	Delhi Government
Godhan Nyay Yojna	To promote cattle rearing, ensure the safety of livestock	Chhattisgarh Government
Kumhar Sashaktikaran Yojana	Union Home Minister Amit Shah distributed 100 electric potter wheels to 100 trained artisans in Gandhinagar, Gujarat.	
PM SVANidhi scheme	PM SVANidhi Scheme (Pradhan Mantri Street Vendor's AtmaNirbhar Nidhi scheme) launched by govt **to provide affordable loans to street vendors**	The Union Government
Pradhan Mantri Kisan Urja Suraksha evem Uttham Mahabhiyam (PM KUSUM)	To provide financial and water security to farmers	The Union Government
Mukhyamantri Shahri Path Vyavsayi Utthan Yojana	"Mukhyamantri Shahri Path Vyavsayi Utthan Yojana" for street vendors	Madhya Pradesh
Jagananna Chedodu Scheme	To provide financial assistance **to tailors, barbers and washermen**, who had lost their livelihood due to COVID-19 pandemic	Andhra Pradesh
Panchvati Yojana	For the senior citizens of rural areas of the state.	Himachal Pradesh
Bal Shramik Vidya Yojana	To educate child labourers	Uttar Pradesh

Garib Kalyan Rojgar Abhiyaan	❖ "Garib Kalyan Rojgar Abhiyaan" will be launched by the Government of India from Village Telihar, Block Beldaur of Khagaria District of Bihar. ❖ It is a massive rural public works scheme that will empower and offer livelihood opportunities to the returnee migrant workers as well as rural citizens.	The Union Government
Mukhyamantri Matru Pushti Uphaar	Provide nutrition kits to pregnant and lactating women in order to combat infant and maternal mortality and malnutrition.	Tripura
Godhan Nyay Yojana	1st Indian state to buy cow dung from cattle owners	Chhattisgarh
Vikas Abhaya loan Scheme	Karnataka Vikas Grameena Bank launched	Karnataka
Mahatma Jyotiba Phule Jan Arogya Yojana	Free and Cashless Health insurance scheme – *1st state in India to provide the Free and Cashless Health insurance scheme*	Maharashtra
Pradhan Mantri Garib Kalyan Yojana	Under this scheme **Rs. 500 for 3 months will be provided for financially backward women** through the Jan Dhan Account	The Union Government
3 Schemes	♣ **Birsa Harit Gram Yojana** - rural plantations, ♣ **Neelambar Pitambar JAL Sammridhi Yojana** - water conservation ♣ **Poto Ho Khel Vikas Scheme** - making playgrounds	Jharkhand
Mukhya Mantri Shahari Rojgar Guarantee Yojna	Provide 120 days of employment to those living in urban areas	Himachal Pradesh
Mukhymantri Yub Yogayog Yojana	Scholarship scheme for students	Tripura
FIR Aapke Dwar Yojana	Country's *first ever 'FIR Aapke Dwar Yojana'* for development in Police department	Madhya Pradesh
Rajiv Gandhi Kisan Nyay Yojana	Under the scheme, the farmers are to be paid Rs 10,000 per acre for the crops such as sugarcane, corn and paddy	Chhattisgarh
Matir Smristi scheme	To generate income activities in horticulture and pisciculture involving the locals	West Bengal
Atmanirbhar gujarat sahay Yojana	Provide loan for small traders, street-vendors and small professionals in the state	Gujarat

Charan Paduka Campaign	Charan Paduka campaign for migrant labourers	Madhya Pradesh
Sneher Porosh & Prochesta	Two schemes for Migrant Workers	West Bengal
Mee Annapurna Programme	Welfare program of farmers and Bhoomiputras	Maharashtra
Mukhyamantri Swarozgar Yojana	For returnee migrants	Uttarakhand
SVAMITVA (Survey of Villages and Mapping with Improvised Technology in Village Areas)	To provide an integrated property validation solution for rural India.	The Union Minister of Rural Development & Panchayati Raj
Pradhan Mantri Bhartiya Janaushadhi Pariyojana	**Pharmacists, popularly known as "Swasth ke Sipahi",** of Pradhan Mantri Jan Aushadhi Kendra, are delivering essential services and medicines at doorstep of patients and elderly under Pradhan Mantri Bhartiya Janaushadhi Pariyojana (PMBJP).	The Union Government
Sujalam Sufalam Jal Sanchay Abhiyan	A conservation plan to deepen water bodies in the state before monsoon.	Gujarat
Indira Gandhi Matritva Poshan Yojana	✓ a maternity benefit scheme ✓ Under the scheme ₹6,000 will be offered for the birth of the second child ✓ State scheme will complement the Central government's **Pradhan Mantri Matru Vandana Yojana** which offers **₹5,000 for the birth of the first child**	Rajasthan
Suposhit Maa Abhiyan	The main objective of this campaign is to keep adolescent girls, pregnant women and newborn 'healthy'.	Lok Sabha Speaker Om Birla
School Health Programme under Ayushman Bharat - Health & Wellness Centres	Centres that will teach skills ranging from emotional wellbeing, mental health, interpersonal relationships to values and maintaining healthy lifestyle.	The Union Government
Shiv Bhojan Scheme	The government will provide complete meat at the cost of Rs. 10 to the poor and underprivileged people. All the districts will be covered under the scheme.	Maharashtra
Yashaswini Scheme	Women entrepreneurship will provide women Self Help Groups (SHGs) in Goa with interest-free loans up to Rs 5 lakh for a tenure of 5 years.	Goa

7. REPORTS / INDICES

INDEX	PURPOSE / RELEASED BY	INDIA's RANKING	TOP RANKING
Global Hunger Index 2020	International Food Policy Research Institute (IFPRI)	94	China
Child Mortality Rate	UNICEF	India declined to 34 in 2019 from 126 in 1990	
Global Multidimensional Poverty Index 2020	Oxford Poverty & Human Development Initiative (OPHI)	62nd Rank	
Global Innovation Index 2020	World Intellectual Property Organization	48th Rank	Switzerland
State of the Young Child in India report	Mobile Creches		Kerala
4th Ease of Doing Business Rankings	The Department for Promotion of Industry and Internal Trade (DPIIT), Ministry of Commerce and Industry	Tamil Nadu = *14th Rank*	Andhra Pradesh
Human Capital Index 2020	World Bank	116th Rank	Singapore
World Risk Index (WRI) 2020	United Nations University Institute for Environment and Human Security (UNU-EHS), Bundnis Entwicklung Hilft and the University of Stuttgart in Germany	89th Rank	Vanuatu
Export Preparedness Index (EPI) 2020	NITI Aayog	Gujarat, Maharashtra and Tamil Nadu occupy the top three ranks	
Global Real Estate Transparency Index	Jones Lang LaSalle's (JLL)	43	USA
United Nations Multidimensional Poverty Index 2020	According to the index, India recorded the largest reduction in number of people living in poverty between the period 2015-19		
Environment Performance Index	The Yale University	168	

Nature Index	Springer Nature	12	USA
World Competitive Index	Institute of Management Development	43	Singapore
Budget Transparency	International Budget Partnership	53	New Zealand
Energy Transition Index 2020	World Economic Forum	74	Sweden
PRESS FREEDOM INDEX	Reporters Without Borders	142	Norway
GLOBAL TERRORISM INDEX	Institute for Economics and Peace	7	
Gender Social Norms Index	UN Development Programme (UNDP)		Pakistan
World Happiness Report	United Nations	144	Finland
FINANCIAL SECRECY INDEX (FSI) 2020	Tax Justice Network	47	Cayman Island
INTERNATIONAL INTELLECTUAL PROPERTY INDEX 2020	US Chamber of Commerce's Global Innovation Policy Centre (GIPC).	40	USA
World Air Quality Report 2019	The pollution tracker IQAir and Greenpeace	**5th – India (5th Polluted country)**	Bangladesh – (Most Polluted country)
Sustainable Development Goal Index	NITI Aayog	2nd = Himachal Pradesh 3rd = Andhra Pradesh, Tamil Nadu and Telangana	Kerala
Corruption Perception Index 2019	Transparency International	80	New Zealand & Denmark
Henley Passport Index		84	Japan
Democracy Index		51	Norway
Social Mobility Index 2020	World Economic Forum	76	Denmark

8. COMMITTEES

National Crisis Management Committee (NCMC)	To review the status of Cyclone happened in Tamil Nadu & Puducherry
Shashi S. Vempati Committee	Ministry of Information and Broadcasting has constituted a committee to review "Guidelines on Television Rating Agencies in India"
Harish Kumar Committee	Election Commission of India (ECI) has constituted a committee comprising Harish Kumar and Umesh Sinha, +to examine the issues concerning expenditure limit for a candidate.
Ravi Chopra Committee	Alleged violations of the court orders in the execution of the Chardham road project, a 900 km, ₹12,000 crore enterprises to connect pilgrimage spots in Uttarakhand.
V. RAMAGOPAL RAO COMMITTEE	With a focus on indigenous development of futuristic technologies, a five-member expert committee has been constituted to review the charter of duties for all laboratories of the Defence Research and Development Organisation (DRDO).
CAPTAIN S S CHAHAR COMMITTEE	**Aircraft Accident Investigation Bureau (AAIB) ordered investigation into the** Air India Express aircraft crash at Kozhikode airport. **The Probe of the aircraft crash will be done by a five-member team headed by Captain S S Chahar.**
K. V. KAMATH COMMITTEE	**RBI constituted an expert committee under the chairmanship of veteran banker K.V. Kamath** to make recommendations on norms for the resolution of COVID-19 related stressed loans.
Committee on Criminal Law Reform	The Ministry of Home Affairs (MHA) has constituted **a national level committee for reform in criminal law**
Gopalakrishnan Committee	Study Various issues relating to Non – Personal Data (NPD) Make specific suggestions on regulation of NPD
Bimal Julka Committee	To Rationale the Film Media units
Dr. Prasanna Kumar Mohanty committee	RBI has constituted a five-member Internal Working Group (IWG) to review the extant guidelines related to ownership, governance and corporate structure of private sector banks.
M B Lal Committee	The Committee had made 118 recommendations in regards to the safety guidelines to be followed by the oil companies while installing oil wells. According to massive fire at the Baghjan Oil field, Assam
AR Dave Committee	It made recommendations to make securities and Excahange Board of India enforcement mechanism more robust and efficient
Justice B. Seshasayana	National Green Tribunal sets up committee *to probe Vizag*

Information is a Blessing
A Shankar IAS Academy Initiative

Reddy committee	*gas leak*
C Rangarajan Committee – *24-member committee*	Tamil Nadu government has set up a high-level committee *to examine fiscal challenges facing the state owing to the COVID-19 pandemic* and suggest the way forward to improve its fiscal position.
Shekatar Committee	Union Defence Minister approved the abolition of 9,304 posts in the military engineering services with the recommendation of Shekatar Committee
Rohit Bharadwaj Committee	Sports Authority of India (SAI) has formed a committee to prepare a Standard Operating Procedure to resume training in all SAI Centres post lockdown
Rajesh Bhushan Committee	Ministry of Health and Family Welfare (MoHFW) has constituted a committee to reform the Drug Regulatory System
NK Singh Committee	The Finance Commission has constituted a committee under the chairmanship of NK Singh in order to create a road map for fiscal consolidation for the Center and the States

9. SUMMITS / CONFERENCES

SUMMITS / CONFERENCES	PURPOSE / THEME / OUTCOME	PLACE / By
3rd Global Renewable Energy Investment Meeting and Expo (RE-Invest 2020)	✓ THEME: "Innovations for Sustainable Energy Transition" ✓ India Targets 175 GW Renewable Energy by 2022	Held virtually from 26th – 28th November 2020
15th G20 Summit	**New Global Index will be based on 4 pillars of** ✓ Talent, ✓ Technology, ✓ Transparency and ✓ Trusteeship towards the planet.	Convened by Saudi Arabia virtually
India - Luxembourg Summit	The Luxembourg Prime Minister conveyed the intention of Luxembourg to join the International Solar Alliance. PM Modi invited Luxembourg to join the Coalition for Disaster Resilient Infrastructure.	Held virtually on 19th November 2020
India Mobile Congress 2020	THEME: "Inclusive Innovation - Smart I Secure I Sustainable"	Held virtually

2nd India - Central Asia Dialogue	Foreign Ministers of India, Kazakhstan, Tajikistan, Turkmenistan and Uzbekistan as well as First Deputy Foreign Minister of the Kyrgyz Republic participated in the meeting.	
3rd INDIA - US 2+2 MINISTERIAL DIALOGUE	Basic Exchange and Cooperation Agreement between the Ministry of Defence, Government of India and the National Geospatial-Intelligence Agency (NGA), Department of Defence of United States of America.	
National Conference on Vigilance and Anti-Corruption	**THEME:** "Vigilant India, Prosperous India"	
India Energy Forum	India is an important player in the global Oil and gas sector being the **3rd largest consumer of crude oil and the 4th largest LNG importer.**	By NITI Aayog and Ministry of Petroleum and Natural Gas.
Vaishvik Bhartiya Vaigyanik (VAIBHAV) Summit	The aim of the summit is to bring out a comprehensive roadmap leveraging the expertise and knowledge of global Indian researchers for addressing emerging challenges for universal development.	Inaugurated by Prime Minister Narendra Modi
Global Virtual Summit on Artificial Intelligence (AI), RAISE 2020	RAISE 2020 is a first of its-kind, global meeting of minds on Artificial Intelligence to drive India's vision for social transformation through responsible AI.	Ministry of Electronics and Information Technology (MeitY) and NITI Aayog
UN Biodiversity Summit	**THEME:** "Urgent action on biodiversity for sustainable development."	
The Destination North East - 2020	**THEME:** "The Emerging Delightful Destinations"	
India - Sri Lanka Virtual Bilateral Summit	PM Modi announced a grant assistance of 15 million dollars to Sri Lanka for the promotion of Buddhist ties between India and Sri Lanka	
1st World Solar Technology Summit	ISA's technology journal, **Solar Compass 360** launched during the summit.	
8th East Asia Summit Economic Ministers Meeting (EAS-EMM)	Meeting attended by **10 ASEAN members and eight other nations, including India, the USA, and China.**	
Indo - Pacific Trilateral Dialogue	India, Australia and France	
G4 Foreign Ministers Meeting	Foreign Ministers from the Group of 4 (G4), consisting of **India, Brazil, Japan and Germany**, participated in a virtual meeting.	

4th Global Ayurveda Summit	THEME: "Emerging Opportunities for Ayurveda during Pandemic"	
6th BRICS Environment Ministers' Meeting	The 6th BRICS Environment Ministers' Meeting was held under the presidency of Russia.	Video Conferencing
Quadrilateral dialogue	China convened a quadrilateral dialogue with the Foreign Ministers of Afghanistan, Nepal and Pakistan.	China
India@75 Summit – Mission 2022	The Union Minister for Micro Small and Medium Enterprises (MSME), Nitin Gadkari has addressed the "India@75 Summit – Mission 2022" organised by the Confederation of Indian Industries (CII) via video-conferencing.	
36th ASEAN Summit	THEME: "Cohesive and Responsive ASEAN"	held via video conferencing in Hanoi, Vietnam
Scheme for formalization of Micro Food Processing Enterprises (FME)	❖ The government has launched the scheme - Pradhan Mantri Formalisation of Micro Food Enterprises (PM FME). ❖ **The scheme will be implemented for five years until 2024-25.**	
G20 Digital Ministers' Meet	THEME: "Realizing Opportunities of the 21st century for all"	The Union Minister of Information Technology
Virtual Global Vaccine Summit 2020	Virtual Global Vaccine Summit 2020 was hosted by the UK Prime Minister Boris Johnson. India was represented by the Prime Minister Narendra Modi in the summit.	Virtual Summit
Extraordinary Virtual G20 Digital Economy Ministers summit	G20 Digital Economy Task Force COVID-19 Ministerial Statement appealed for a *coordinated global Digital response in order to fight the COVID-19 pandemic and protect people*	Video Conferencing
11th Petersberg Climate Dialogue	The dialogue was held virtually for the first time in the wake of the Covid-19 pandemic.	Video Conferencing
13th Conference of Parties (CoP)	THEME: "Migratory species connect the planet and together we welcome them home"	Gandhinagar, India
RAISE 2020 'Responsible AI for Social Empowerment 2020'	India's first Artificial Intelligence summit to be organized by the Government in partnership with the industry and the academia.	New Delhi

International conference on standardisation of Diagnosis and Terminologies in AYUSH (ICoSDiTAUS-2020)	New Delhi Declaration on Collection and Classification of Traditional Medicine (TM) Diagnostic Data	New Delhi
G20 meeting	**THEME:** "Realizing Opportunities of the 21st Century for All"	Riyadh, Saudi Arabia
International Judicial Conference 2020	**THEME:** "Judiciary and the Changing World"	New Delhi
11th DefExpo	The exhibition aims at making India a technological power house through initiatives such as Start-up India, Skill India and Make in India.	Lucknow, Uttar Pradesh
National Children's Science Congress	**THEME:** "Science, Technology and Innovation for a Clean, Green and Healthy Nation"	Thiruvananthapuram, Kerala
80th Indian History Congress (IHC)	To pursue the constitutional duty of promoting composite culture, which is vital to promoting the territorial unity of India	Kannur, Kerala
Global Potato Conclave 2020	To create a wide network from farm to food processing and distribution	Gujarat
Bharat Parv 2020	**THEME:** "One India-Best India" and "150 years of Mahatma Gandhi"	
107th Indian Science Congress	**THEME:** "Science and Technology: Rural Development"	Bengaluru
5th Asia Pacific Drosophila Research Conference	The event will witness the largest meeting of Drosophila researchers on a global level	Pune
World Future Energy Summit	**THEME:** "Rethinking Global Consumption, Production and Investment"	Abu Dhabi
50th World Economic Forum (WEF)	The US will join One Trillion Trees initiative, launched at the World Economic Forum	Switzerland

10.MILITARY EXERCISES

EXERCISE NAME	HELD BETWEEN	TYPE OF EXERCISE
SIMBEX-20	India - Singapore	Bilateral Maritime Exercise
SITMEX-20	India, Singapore and Thailand	Trilateral Maritime Exercise
AUSINDEX	India and Australia	Bilateral Maritime Exercise
CORPAT	India - Thailand Coordinated Patrol (CORPAT)	
SLINEX-20	Indian & Sri Lanka	Bilateral Maritime Exercise
EXERCISE SURAKSHA KAVACH	Indian Army and Maharashtra Police	a Joint Anti-Terrorist Exercise
Exercise Bongosagar	Indian & Bangladesh	Maritime Exercise
KAVKAZ 2020	India has announced that it is withdrawing from multilateral Military Exercise Kavkaz 2020 to be held in Russia	
Passage Exercise (PASSEX)	India & USA	Maritime Exercise
African Lion	USA & Africa	Annual Military Exercise
SAMPRITI - IX	India and Bangladesh	Joint military exercise
Indradhanush – V 2020	India and United Kingdom	Joint air force exercise
Ajeya Warrior - 2020	India and United Kingdom	Joint military exercise

11. DEFENCE / SPACE

DEFENCE & SPACE	PURPOSE	COUNTRY / STATE / ORGANIZATION
PSLV-C49 – (51st Flight)	Carrying, ✓ Nine customer satellite from Lithuania (1), Luxembourg (4) and USA (4) ✓ EOS-01 is an earth observation satellite, intended for applications in agriculture, forestry and disaster management support.	ISRO
GSAT – 30 Satellite	**Launch vehicle:** Ariane – 5 **Launch date:** 17th January 2020 The GSAT-30 is a communication satellite, which seeks to replace INSAT-4A	ISRO
Mars 2020 Perseverance Rover Mission	❖ To search for signs of ancient life and collect samples to send back to Earth. ❖ **Rocket:** Atlas V ❖ **Ingenuity Mars** Helicopter - weigh only about 4 pounds (1.8 kilograms) ❖ It will Land in **Jezerp Crater on Mars**	NASA
Commercial Arm of ISRO	New Space India and Antrix	ISRO
Mars Helicopter - "INGENUITY"	♣ **Attached to Perseverance Rover** ♣ **Named by: Vaneeza Rupani**	NASA
Bharat drones	Defence Research and Development Organisation (DRDO) has provided drones named 'Bharat' to the Indian Army for accurate surveillance	DRDO
Kuaizhou-11	Kuaizhou-11 was the 19th Rocket launched by China in the year 2020. **It was also the 3rd Rocket Launch of China in 2020 that had ended in failure.**	China
Shukrayaan Mission	**India** to launch Shukrayaan Venus mission in **2024. It will be India's first mission to Venus.**	ISRO
ANASIS-II	South Korea's first military satellite "ANASIS-II"	SpaceX
Virgin Hyperloop pod	✓ The futuristic transport concept involves pods inside vacuum tubes carrying passengers at high speeds. ✓ In the trial, two passengers - both company staff - travelled the length of a 500m test track in 15 seconds, reaching 107mph (172km/h).	Tested in the desert of Nevada

ASTHROS Mission	NASA is to launch ASTHROS Mission from Antarctica in December 2023. **The mission is to spend three weeks observing air currents above the continent**	NASA
Tianwen-1	**China** has successfully launched "Tianwen-1" its first independent **mission to Mars**	China
Satellites to detect drug cultivation	Odisha Space Application Centre (OSAC) has proposed to help law enforcement agencies **detect illicit hemp (a variety of cannabis) cultivation using remote sensing and artificial intelligence technologies.**	Odisha
"Hope" mission to Mars	❖ UAE to become **first Arab nation send probe to Mars** ❖ UAE's Hazza al-Mansouri had become the first Emirati to travel to space and visit the International Space Station.	UAE
Chang'e-5 lunar mission	On November 24, China's Chang'e-5 lunar mission will become the **first probe in over four decades to attempt to bring back samples of lunar rock.** The spacecraft is set to return to Earth around December 15.	China
Sentinel-6 Michael Freilich Satellite	The mission dedicated to measuring changes in the global sea level.	Rocket: SpaceX Falcon 9
Quick Reaction Surface to Air Missile System (QRSAM)	The second flight test of Quick Reaction Surface to Air Missile System (QRSAM) was successfully conducted	DRDO
Ariel (Atmospheric Remote-sensing Infrared Exoplanet Large-survey)	✓ Ariel will be launched in 2029. ✓ It will perform a large-scale survey of over a thousand exoplanets over a period of four years. ✓ The explorer that will study the nature, formation and evolution of exoplanets.	European Space Agency (ESA)
Anti-Satellite (A-SAT) Missile	'**Mission Shakti'** was country's first ever Anti-Satellite (ASAT) Missile Test successfully conducted on 27th March 2019 from Dr APJ Abdul Kalam Island in Odisha	DRDO
SPACEX's Crew Dragon Spacecraft	SpaceX's Crew Dragon spacecraft lift off from NASA's Kennedy Space Center in Florida **carrying a crew of four people to the International Space Station (ISS) on a six-month-long mission.**	SpaceX

Topic	Details	Organisation
16 Psyche – Golden Asteroid	✓ It is an asteroid which orbits between Mars and Jupiter. ✓ A recent study has found that this asteroid could be made entirely of metal and is worth an estimated $10,000 quadrillion — more than the entire economy of Earth	NASA
Enhanced PINAKA rocket	Enhanced PINAKA rocket successfully flight tested from Integrated Test Range, Chandipur off the coast of Odisha.	DRDO
MQ-9B Sea Guardian unarmed drones	The Indian Navy has inducted two MQ-9B Sea Guardian unarmed drones procured from the U.S. on lease	
ISRO's Venus mission	ISRO is all set to launch its **Venus Mission in 2025** along with participation from French Space Agency CNES (The National Centre for Space Studies).	
Integrated Theatre Command	✓ As part of defence reforms after the appointment of the Chief of Defence Staff (CDS), the government is working on the formation of integrated theatre commands. ✓ An integrated theatre command is one that enables the pooling of resources of all three services under a single commander, towards securing a particular geographical area.	
INS Kavaratti	Anti-Submarine Warfare (ASW) stealth inducted in the Indian Navy	Indian Navy
RUDRAM	**India's first indigenous anti-radiation missile**, Rudram, developed for the Indian Air Force, was successfully flight-tested from a Sukhoi-30 MKI jet	
BRAHMOS	The supersonic cruise missile was successfully test fired from Indian Navy's indigenously-built stealth destroyer INS Chennai	
Stand-off Anti-tank (SANT) Missile	India successfully test-fired the Stand-off Anti-tank (SANT) Missile. **The missile is said to have a range of between 15 and 20km**	DRDO
Shaurya Missile	A successful trial of the nuclear capable Shaurya missile was conducted	DRDO
ASTEROID BENNU	Spacecraft touched asteroid Bennu, from where it is meant to **collect samples of dust and pebbles and deliver them back to Earth in 2023**	NASA's OSIRIS-REx
Supersonic Missile Assisted Release of Torpedo (SMART)	Supersonic Missile Assisted Release of Torpedo (SMART) has been successfully flight tested	

ICGS Kanaklata Barua	A Fast Patrol Vessel (FPV) named ICGS Kanaklata Barua was commissioned in the Indian Coast Guard	
iDEX	Defence Minister Rajnath Singh launched **the Defence India Startup Challenge (DISC 4) during the iDEX event**, featuring the initiatives aimed at expanding the horizons of Innovations for Defence Excellence (iDEX) ecosystem in New Delhi.	
Defence Acquisition Procedure	Raksha Mantri Rajnath Singh unveiled the Defence Acquisition Procedure (DAP) – 2020. **DAP 2020 will be applicable with effect from 01 October 2020. The first Defence Procurement Procedure (DPP) was promulgated in the year 2002**	
Laser Guided Anti-Tank Guided Missile (ATGM)	Laser Guided Anti-Tank Guided Missile (ATGM) was successfully test fired	Ahmednagar
ABHYAS	The successful flight test of **ABHYAS High-speed Expendable Aerial Target** was conducted by Defence Research and Development Organisation, DRDO from the Interim Test Range, Balasore in Odisha**.**	Odisha
INS Viraat	The longest service in the world, commenced its towed final journey from Mumbai, to be broken at Alang in Gujarat and sold as scrap.	
SOLAR CYCLE 25	Scientists from NASA and the National Oceanic and Atmospheric Administration (NOAA) announced their **predictions about the new solar cycle, called Solar Cycle 25, which they believe has begun.**	NASA & National Oceanic and Atmospheric Administration (NOAA)
Phosphine gas in the atmosphere of Venus	The discovery of phosphine gas in the atmosphere of Venus triggered global excitement about the possibility of the presence of lifeforms on the neighbouring planet.	an international team of astronomers
Abhyas High-speed Expendable Aerial Target (HEAT)	Defence Research and Development Organisation (DRDO) conducted successful flight-tests of the **indigenously-designed Abhyas High-speed Expendable Aerial Target (HEAT)** in Balasore (Odisha)	Balasore, Odisha
Modern Grand Solar Minimum	The magnitude of the Sun's solar activity is decreasing. This period of decreased solar activity is known as the **Modern Grand Solar Minimum that will last from 2020 to 2053.**	
Data Sonification	**Chandra X-Ray Center (CXC)** has unveiled a new 'sonification' project that **transforms data from astronomical images into audio.**	NASA

SARABHAI CRATER	ISRO paid tribute to Dr Vikram Sarabhai, the Father of India's Space Programme, in a special way by announcing that Chandrayaan 2 Orbiter has captured the Moon images of "Sarabhai" Crater.	ISRO
SPACE BRICKS	In a significant step towards space exploration, a team of researchers from the Indian Space Research Organisation (ISRO) and the Indian Institute of Science (IISc) in Bengaluru has developed a sustainable process to make space bricks on the lunar surface.	ISRO & IISc Bengaluru
BeiDou-3 Navigation Satellite System	China has formally launched full global services of its BeiDou-3 Navigation Satellite System (BDS)	China
AUDFs01	A Global team of scientists has discovered one of the earliest galaxies using **India's AstroSat**	
Raman	Skyroot Aerospace tests upper stage rocket engine "Raman" "Raman" is a 3-D printed rocket engine which has been named after Nobel laureate CV Raman. Skyroot Aerospace has become the first Indian private firm to exhibit the potential to build a homegrown rocket engine.	Skyroot Aerospace
Arrow-2	Tested the advanced missile defence system Arrow-2.	Israel
Phobos	**Mangalyaan** captures Image of **Mars Biggest Natural Satellite 'Phobos'**	NASA
ICGS Kanaklata Barua	5th and last boat in the series of Fast Patrol Vessels (FPV) for the Indian Coast Guard.	Indian Coast Guard
Deep Submergence Rescue Vehicle	**Deep Submergence Rescue Vehicle (DSRV)** was inaugurated at **Eastern Naval Command (ENC),** Andhra Pradesh	
LONG MARCH 5	**China** has successfully launched a **most powerful rocket** and prototype spacecraft in a major test of the country's ambitions *to operate a permanent space station and send astronauts to the Moon.*	China
Project Artemis	1st Human Base Camp on moon's south pole by 2024	NASA
Xingyun-2 01 & 02	❖ China will launch the two communications satellites named Xingyun-2 01 and 02 for its space-based Internet-of-Things project. ❖ Xingyun-2 01 has been named "Wuhan" where it was designed and developed by the Xingyun Satellite Company	China

DEMO-2 MISSION	It is a NASA's mission to send astronauts to International Space Station (ISS) on SpaceX's Crew Dragon spacecraft.	NASA
SUNRISE MISSION	The Sun Radio Interferometer Space Experiment (SunRISE) will explore how Sun generates and releases the giant weather storms, known as the solar particle storms, into space	NASA
YUva VIgyani KAryakram	Special programme for School Children, in tune with the Government's vision "Jai Vigyan, Jai Anusandhan"	ISRO
Elon Musk	Will Send astronauts to the International Space Station for the first time in May month	SpaceX
Perseverance	National Aeronautics and Space Administration (NASA) - has named its Mars rover 2020 'Perseverance' after a nationwide competition.	NASA
RaIDer-X	Unveiled a new explosive detection device	DRDO and IISC Bangalore
PRANASH MISSILE	✓ Surface – to - surface ballistic missile ✓ Range: 200Km ✓ one of the cheapest missiles in the world in its range category	DRDO
GISAT - 1 Satellite	a new earth observation satellite launched in the 1st week of march	ISRO
INSIGHT MISSION	InSight mission detected *quakes and magnetic pulses on the planet Mars.*	NASA
VOYAGER – 2	Voyager 2 is now *11.5 billion miles from the Earth* and, at that distance, light takes 17 hours to reach it or for messages from it to reach mission control on Earth.	NASA
Light Combat Helicopters production centre	LCH is a 5.5-tonne class multi-role combat helicopter designed and developed by Hindustan Aeronautical limited (HAL)	Bengaluru
2020 CD3, "mini-moon" or the planet's "second moon"	It is actually an asteroid, about the size of a car; its diameter is about 1.9-3.5 m. It is called a Temporarily Captured Object (TCO).	
Ra'ad-II Missile	➢ Pakistan conducted a successful flight test of the air launched nuclear-capable cruise missile. ➢ It has a range of 600 km.	Pakistan

Artemis Program	➤ It is NASA's next mission to the Moon	NASA
	➤ To measure what happens when the Sun's radiation hits our rocky moon, where there is no magnetic field to protect it.	
	➤ *NASA will land the first woman and next man on the Moon by 2024*	

12. SCIENCE & TECHNOLOGY

SPECIES / NEW DISCOVERIES	TYPE / PURPOSE	PLACE / BY
PARAM SIDDHI	Indian supercomputer Param Siddhi has achieved global ranking of 63 in TOP 500 most powerful non-distributed computer systems in the world	DST, Ministry of Electronics and Information Technology (MeitY) under NSM
Deep Ocean Mission	**India** will soon launch an ambitious 'Deep Ocean Mission' **to explore the deep ocean similar to the space exploration**	
Thirty Meter Telescope Project	**Indian astronomers collaborated with 2020 Physics Nobel Laureate Prof. Andrea Ghez** on Thirty Meter Telescope Project.	
SERB - POWER (Promoting Opportunities for Women in Exploratory Research)	To mitigate gender disparity in science and engineering research in various S&T programs. **Designed exclusively for women scientists.**	Government of India
Facial recognition system	Enable students to download their digital academic documents of classes 10, 12.	Central Board of Secondary Education (CBSE)
TUBARIAL SALIVARY GLANDS	The newly discovered glands are about **1.5 inches (3.9 centimeters) in length** on average and are located over a piece of cartilage called the torus tubarius.	Scientists in the Netherlands
MACS-6478	A new wheat variety MACS-6478 is helping farmers in a village in Maharashtra to double their yield.	Scientists from Agharkar Research Institute
Superconductivity at Room Temperature	Researchers have created a material that is **superconducting at room temperature, however, it only works at a pressure of 267 Gigapascals (GPa),** which is equivalent to about three-quarters of pressure at the centre of Earth (360 GPa)	
Regional Rapid Transit System (RRTS) Trains	National Capital Region Transport Corporation (NCRTC), unveiled the first look of **India's first RRTS train.**	
H-CNG	In a major step toward adopting alternative clean fuel for transportation, **the Ministry of Road Transport and Highways has allowed use of H-CNG (18% mix of hydrogen) in CNG engines.**	
MOUSHIK	an indigenously-made Microprocessor	IIT Madras

I-ATS (AUTOMATIC TRAIN SUPERVISION)	'i-ATS', an indigenously-built communication-based train control signalling technology for the metro.	The Delhi Metro Rail Corporation (DMRC)
WORLD'S LARGEST SOLAR TREE	CSIR-CMERI has developed the World's Largest Solar Tree. **The installed capacity of the Solar Tree is above 11.5 kWp.** It has the annual capacity to generate 12,000-14,000 units of Clean and Green Power, West Bengal.	Durgapur, West Bengal
Real Mango: An Illegal Software	**Railway Protection Force (RPF)** has disrupted the operation of illegal software called **"Real Mango" - is an illegal software developed for booking Tatkal tickets.**	
Brucella abortus S19Δ per vaccine	New Brucellosis Vaccine	Indian Council of Agricultural Research's - Indian Veterinary Research Institute (ICAR-IVRI)
PUSA Decomposers	A bio-decomposer technique called 'PUSA Decomposers' for converting crop stubble into compost.	
Bharat Air Fibre: Wireless Internet	Bharat Air Fibre Services have been inaugurated at Akola in Maharashtra providing the residents wireless internet connections on demand.	Maharashtra
Vitamin D Deficiency in India	❖ Researchers have claimed that **vitamin D deficiency can negatively affect Covid-19 high-risk patients,** particularly those who are diabetic, have heart conditions, pneumonia, obesity and those who smoke. ❖ It is also associated with infections in the **respiratory tract and lung injury.**	
Magnetic Hyperthermia-Mediated Cancer Therapy	To make magnetic hyperthermia-mediated cancer therapy as desired therapy for inoperable tumours	Institute of Nano Science & Technology (INST)
Swadeshi Microprocessor Challenge	To provide further impetus to the strong ecosystem of Start-up, innovation and research in the country.	Union Minister of Electronics & Information Technology
STUDENT ENTREPRENEURSHIP PROGRAMME 2.0 (SEP 2.0)	Atal Innovation Mission (AIM), NITI Aayog, in collaboration with Dell Technologies launched Student Entrepreneurship Programme 2.0 (SEP 2.0) for young innovators of Atal Tinkering Labs (ATLs).	
India's 1st pocket android POS device	Paytm has launched India's 1st Pocket Android POS (Point of Sale) Device named 'Paytm All-in-One Portable Android Smart POS' for contactless ordering and payments in India.	Paytm

Low - cost Supercapacitor	A simple, low-cost, environment-friendly, and sustainable supercapacitor device.	International Advanced Research Centre
Pneumococcal Polysaccharide Conjugate Vaccine	India's first fully indigenously developed Pneumococcal Polysaccharide Conjugate Vaccine	Approval from Drug Controller General of India (DCGI
James Webb Space Telescope	NASA reschedules launch of James Webb Space Telescope to October 2021	NASA
Bathynomus raksasa	Scientists have reported the discovery of the first super giant isopod species in the eastern Indian Ocean named 'Bathynomus raksasa'	
India's first in-orbit space debris monitoring and tracking system	❖ A Space start up called the Digantara has developed **India's first in-orbit space debris monitoring and tracking system.** ❖ The system works on LIDAR (Light Detection and Ranging) technology.	
Khazan Ecosystems	It is an **Estuarine agricultural system** practiced in low – lying flood plains of Goa	Goa
Saturn Moon - Titan	Titan is drifting away faster than before. This has been identified by the researchers in NASA and also scientists in Italian Space Agency.	NASA & Italian Space Agency.
wag 12b	♣ Indian Railways operationalises its most powerful **1st 12000 HP** made in India locomotive ♣ 6th country in the world to join the elite club of producing high horse power locomotive indigenously	Indian Railways
Troglomyces twitteri	The fungus has been named after Twitter as it was discovered in Twitter	Denmark
Spinosaurus aegyptiacus	1st known Aquatic Dinosaur	North Africa
Arktika-M	1st satellite to monitor Arctic Climate	Russia
Geological map of the moon	1st detailed geological map of the moon	USA
Super Flower Moon 2020	Last month we witnessed the Super Pink Moon and the month of *May we have witnessed another supermoon called Super Flower Moon at perigee position*	

injectable silk fibroin-based hydrogel (or iSFH)	An injectable silk fibroin-based hydrogel for sustained insulin delivery in diabetic patients.	Scientists at Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR) developed
EventBot	Trojan Virus is spreading and steals the personal financial info	CERT
Light Weight carbon foam	light carbon foam that will replace lead batteries	CSIR
MeerKAT Telescope	Astronomers using the **MeerKAT telescope** at the South African Radio Astronomy Observatory in Cape Town, South Africa, have solved a longstanding mystery of **X-shaped radio galaxies.**	South African Radio Astronomy Observatory
Three new Fish Varieties	Darsincia apsara, Daccincia austelles, Daccinicia karrassa	found in Western Ghats
Puntius Sanctus	a new freshwater fish	Velankanni, Tamil Nadu
Super Earth	It potentially holds the conditions to sustain human life	New Zealand
LESS INVASIVE SURFACTANT ADMINISTRATION (LISA)	A new medical technique for treatment of lung disease	
H.A.C.K	CySecK launches programme *"H.A.C.K" for Cyber Security Start-ups*	
Rht14 and Rht18	Agharkar Research Institute (ARI) Pune, have *mapped two alternative dwarfing genes Rht14 and Rht18 in wheat* that can help in reducing rice crop residue burning i.e. stubble burning.	
Antarctic Impulsive Transient Antenna (ANTIA)	The ANTIA is high-energy cosmic neutrino that detect radio pulses that are being emitted by Antarctic ice sheet. *The neutrinos in the ice produce radio pulses due to Askaryan effect.*	
Sodium Hypochlorite solution	The spraying of Sodium Hypochlorite solution in Disinfectant tunnel to prevent the spread of coronavirus (COVID-19) was found to be harmful on people.	
Maze ransomware	A ransomware attack infects computers in a network and encrypts files on these computers and then demands a ransom to recover the files	
Classical swine fever	More than 1,300 pigs have died across five districts of eastern Assam of classical swine fever	Assam

SWAYAM Portal	Online education platform covering both school (class IX to XII) And Higher Education (under graduate, post graduate programs) in all subjects including engineering, humanities and social sciences, law and management courses.	The Ministry of Human Resource Development
SAMADHAAN Portal	To facilitate online registration of references related to delayed payments.	The Ministry of Micro, Small & Medium Enterprises
Eurasian Otter	**IUCN Red List:** Near Threatened	Spotted in Chilika lake
Red Panda	**IUCN status** - endangered	State animal of Sikkim
Sahyadri Megha	New variety of paddy resistant to blast disease and rich in nutrients	University of Agricultural and Horticultural Sciences (UAHS), Shivamogga
Oculudentavis khaungraae	It is the smallest dinosaur discovered yet from the Mesozoic era — about 250 million to 65 million years ago.	
"MyGov Corona Helpdesk"	The MyGov Corona Helpdesk aims to eliminate all misinformation, fake news and rumours being spread through WhatsApp	The Union government
"SUMMIT" – a supercomputer	The world's fastest supercomputer and IBM's massive machine, called 'Summit' - identified 77 unique chemicals that can keep the coronavirus from infecting a host	
MACS 4028	High Protein Wheat has been produced	Agharkar Research Institue
Bhoomi Rashi Portal	Land Acquisition Portal	Ministry of Road Transport & Highways
NIGHA APP	To ensure 'clean and healthy' elections by curbing the use of money and alcohol in the upcoming local body elections.	Andhra Pradesh
Henneguya salminicola	➤ An animal fewer than 10-celled microscopic parasite that lives in salmon muscle, called Henneguya salminicola. A non-oxygen breathing animal	
National Mission on Quantum Technologies & Applications (NM-QTA).	The largest ever science mission	The Union government announced in 2020 Budget

Genome India Project	➤ A genome is the entire DNA, or sequence of genes, in a cell. Simply put, the genome is divided into chromosomes, chromosomes contain genes, and genes are made of DNA. ➤ Each genome has approximately 3.2 billion DNA base pairs.	The Union government
SUTRA PIC	➤ Scientific Utilisation Through Research Augmentation - Prime Products From Indigenous Cows (SUTRA PIC) ➤ To develop products as well as improve the genetic quality of indigenous cattle breeds.	The Union government
	The Union Ministry of Health has notified that starting from April 1, 2020, all medical equipment would qualify as "drugs" under the Drugs and Cosmetics Act, 1940.	
Market Intelligence and Early Warning System (MIEWS) portal	Provide 'real time monitoring' of prices of tomato, onion and potato (TOP) and for simultaneously generating alerts for intervention under the terms of the Operation Greens (OG) scheme.	Ministry of Food Processing Industries
Yongle Blue Hole (YBH)	➤ Carbon more than 8,000 years old lies deep inside a yawning sinkhole in the South China Sea. ➤ Deepest known marine cavern	Xisha Islands of the South China Sea
Craspedotropis gretathunbergae	➤ It is a new species of land snail discovered recently. ➤ It is named in honour of **Swedish climate activist Greta**	
Cyrtodactylus urbanus / Urban bent-toed gecko	A new species of lizard	Guwahati, Assam
Muktoshri- arsenic-resistant Rice	West Bengal government's rice research centre has come up with a new variety of rice called Muktoshri that can be grown in arsenic prone areas.	West Bengal
Sophisticated Analytical & Technical Help Institutes (SATHI)	To address the need for building shared, professionally managed and strong S&T infrastructure in the country which is readily accessible to academia, start-ups, manufacturing, industry and R&D labs etc.	Department of Science & Technology
Central Equipment Identity Register (CEIR) web Portal	To facilitate blocking and tracing of stolen/lost mobile phones	New Delhi
MANI App	To assist visually impaired persons in identifying the denomination of currency notes	Reserve Bank of India
Shopper Malware	Smart phone users have been infected with a new Trojan called "Shopper malware"	Created by "Trojan – Dropper"

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13. ENVIRONMENT AND ECOLOGY

SPECIES / ENVIRONMENT	TYPE / PURPOSE	PLACE / BY
Panna National Park	**declared a UNESCO Biosphere Reserve**	Madhya Pradesh
KAAVAN	**world's loneliest elephant -** embarked on a mammoth **move from Pakistan to retirement in a Cambodian sanctuary.**	
Roridomyces phyllostachydis	a **bioluminescent or light emitting** variety of mushroom. 1st mushroom in the Roridomyces genus to be found in India.	Meghalaya's Mawlynnong
Chapare virus	Chapare virus are generally carried by **rats** and can be transmitted through direct contact with the infected rodent, its urine and droppings, or through contact with an infected person.	Bolivia
Travancore Tortoise	It is a large forest tortoise growing up to 330 millimetres in length	Western Ghats
Willow warbler	It is one of the longest migrating small birds that breeds throughout northern and temperate Europe and the Palearctic sighted for the first time in the country	Thiruvanathapuram
Mount Ili Lewotolok	It is a volcano located in eastern Indonesia erupt	
Two New Ramsar Sites	✓ **Kabartal Wetland** (Bihar) and **Asan Conservation Reserve** (Uttrakhand) ✓ The total number of **Ramsar sites in India is 39**	
Indus Suture Zone (ISZ)	The **suture zone of the Himalayas or the Indus Suture Zone (ISZ)** in the Ladakh region where **Indian and Asian Plates** are joined has been found to be **tectonically active**	Himalayas
AENIGMACHANNA GOLLUM	A **100-million-year-old fish** has been discovered in Kerala which is **named after the dark and conflicted character of JRR Tolkien's epic saga movie 'Lord of the Rings'.**	Kerala
Lost River Of Thar Desert	Researchers have found the evidence of **a "lost" river that ran through the central Thar Desert, near Bikaner,** as early as 172 thousand years ago, and may have been a life-line to human populations enabling them to inhabit the region.	Rajasthan

YELLOW DUST	North Korean authorities have **urged citizens to remain indoors to avoid contact with a mysterious cloud of 'yellow dust' blowing in from China**, which they have warned could bring Covid-19 with it.	North Korea
asafoetida (Heeng) cultivation	CSIR-IHBT makes history by **introducing asafoetida (Heeng) cultivation in Indian Himalayan region.**	CSIR-IHBT
Furry puss caterpillar	The highly venomous caterpillar	USA
Brahma Kamal Flower	The rare Brahma Kamal, the only flower known to bloom after sunset and just once a year, has been spotted in the higher reaches of the Himalayas	Uttarakhand
Pipeworts (Eriocaulon)	2 new species of Pipeworts discovered	Western Ghats
Pakur Honey	100% natural honey which is Multi Floral and Forest Fresh	Minister of Tribal Affairs Arjun Munda
Zombie Fire	The fire regimes in the Arctic are changing rapidly, with 'zombie fires' becoming more frequent in addition to fires occurring in the once-frozen tundra.	In Tundra Region
Ursus arctos isabellinus	Recently, a study conducted by scientists of the Zoological Survey of India on the Himalayan brown bear (Ursus arctos isabellinus) has predicted a significant reduction in suitable habitat and biological corridors of the Himalayan brown bear due to climate change.	Zoological Survey of India
Chinese pink dolphins	Chinese pink dolphins are making a comeback in the Pearl River Estuary (b/w Hong Kong & China).	
Madhuca diplostemon tree	adhuca diplostemon tree has been rediscovered after a gap of more than 180 years from a sacred grove in Kollam district, Kerala.	Kerala
Xoo infection	Scientists from the Centre for Plant Molecular Biology (CPMB) have uncovered the mechanism by which **a bacterium called Xoo interacts with rice plants and causes disease.**	
Fishing Cat	Fishing Cat as ambassador of Chilika Lake, Odisha	Chilika Development Authority

Aquaponics	Aquaponics is a **combination of aquaculture, which is growing fish and other aquatic animals**, and hydroponics	Centre for Development of Advanced Computing (C-DAC)
Cat Que virus (CQV)	Largely reported **in Culex mosquitoes** in China and in pigs in Vietnam	China & Vietnam
Scrub Typhus	The outbreak of scrub typhus, a bacterial disease	Nagaland's Noklak district
Sandalwood Spike Disease	The infection has resurfaced in the aromatic tree's natural habitats	Karnataka & Kerala
Cyanobacteria	Toxins in water produced by cyanobacteria killed more than 300 elephants	Botswana, South Africa
Magawa	A rat called Magawa was awarded the PDSA Gold Medal for his "life-saving" work	Cambodia
Brucellosis	More than 3,000 people have been infected	China
Deep Vein Thrombosis (DVT)	Developed a device for the prevention of Deep Vein Thrombosis (DVT)	Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum (SCTIMST
African Baobab Tree	A recent study published in the journal Scientific Reports has found that the **tree 'African Baobab' has 168 chromosomes.** Previous studies estimated that the tree has between 96 and 166 chromosomes	
Kalinga cricket frog	Indian scientists from the Zoological Survey of India	Pune
Blue flag certification *(the cleanest beaches of the world)*	**The eight beaches are selected:** ➢ Shivrajpur - Gujarat, ➢ Ghoghla - Daman & Diu, ➢ Kasarkod and Padubidri - Karnataka, ➢ Kappad - Kerala, ➢ Rushikonda - Andhra Pradesh, ➢ Golden beach - Odisha and ➢ Radhanagar beach - Andaman and Nicobar	
India's first Snow Leopard Conservation Centre	The prime goal of setting up this centre is conservation, restoration of Himalayan ecosystems and creating livelihood. The project also aims at conservation of elusive snow leopards and various other endangered Himalayan species.	Uttarakhand

One in every Three Child are Poisoned by Lead	UNICEF published impact of lead on children's health across the world. **As per the recent report one in every three children is being poisoned by lead.**	UNICEF Report
Rakhis tied to trees in Aravalis	On the eve Raksha Bandhan, using leaf vines, women and children tied symbolic rakhi to the trees and took an oath **to protect the Aravali forests that are the lifeline for clean air and water in Gurugram and National Capital Region.**	
BARN OWLS	The Lakshadweep Administration had embarked on the 'Pilot project on **Biological Control of Rodents (Rats) by Using Barn Owls (Tyto alba)** in Kavaratti Island' after studies revealed the shocking extent of damage caused by rats to the island's coconut yield and economy.	Kavaratti Island
The hottest air temperature in 2020	130 Fahrenheit (54.4 Celsius).	Death Valley in California's Mojave Desert
PERSEIDS METEOR SHOWER	The Perseids meteor shower is active from August 17-26	
BEEG (Bio - compost Enriched Eco-friendly Globule)	IIT Kanpur has developed **indigenous seed balls** named BEEG (Bio - compost Enriched Eco-friendly Globule) which will help people and farmers in plantation with safety in Corona times and will also provide employment to people.	IIT Kanpur
POKKALI RICE	Farmers in South 24 Parganas district in **West Bengal** are betting on the pokkali variety of rice from Kerala to tide over a crisis-like situation created by severe seawater incursion into paddy fields in vast areas of the Sundarbans after cyclone Amphan hit West Bengal on May 20.	
Tick-borne virus re-emerges	➢ The SFTS Virus was first detected in 2009. The virus belongs to the Bunyavirus category. ➢ It causes severe fever with thrombocytopenia syndrome (SFTS).	China
Reducing Emissions from Deforestation and forest Degradation (REDD+)	1st African country to submit Reducing Emissions from Deforestation and forest Degradation (REDD+) results to UNFCC	Uganda
Striped Hairstreak and Elusive Prince	The lepidopterists have discovered the two new species of butterfly i.e. Striped Hairstreak and Elusive Prince	Changlang, Arunachal Pradesh.

Globba andersonii	A team of researchers have "rediscovered" a rare plant species called Globba andersonii	Sikkim
Largest Butterfly in India	**'Golden Birdwing'** dethrones 'Southern Birdwing' to **become the largest Butterfly in India**	
Ophiocordyceps Nutans	New Fungi species	Chhattisgarh
Flood Resistant Paddy	❖ **Farmers from Golaghat district** in Assam have cultivated new flood resistant paddy varieties to shift from the traditional ones. ❖ The varieties called **Ranjit Sub1, Swarna Sub1 and Bahadur Sub1** have been used by about 60% farmers of the West Brahmaputra area.	Assam
Woolly Whitefly	It is an invasive exotic pest of Caribbean – origin that feeds on various kinds of flood (polyphagous)	
Indian flap shell turtle	Rare yellow turtle	Odisha's Balasore district
Hyacinth Macaw / Blue Macaw	Hyacinth Macaw / Blue Macaw is a parrot native to central and eastern South America.	Assam
Asiatic Lion population increased	The Asiatic Lion population has increased by 29%. It was 523 in 2015 and has increased to 674 in 2020	
Malabar gliding frog	Recently spotted at Pullad, near Kozhencherry	Kerala
Schizothorax sikusirumensis	A new fish species	Arunachal Pradesh
Armyworm Attack	The armyworm attacks the crops severely	Assam
Earthquakes in ionosphere	Scientists of the Indian Institute of Geomagnetism (IIG) have come up with a study of the signatures of recent large earthquakes into the ionosphere.	Indian Institute of Geomagnetism (IIG)
Madhuban Gajar	a bio - fortified carrot variety	Gujarat
Wormivet	Indigenous herbal medicine to treat worms in Cattle	National Innovation foundation India
ANTHURIUM	Anthurium is domestic flowering plant known for purifying surrounding air and remove harmful airborne chemicals like formaldehyde, ammonia, toluene, xylene, and allergens.	National Innovation Foundation (NIF) - India

14. CYCLONES

1.	Typhoon Molave	Vietnam
2.	Hurricane Delta	USA
3.	Hurricane Nana	Belize, Central America
4.	Typhoon Maysak and Typhoon Haishen	Japan
5.	Hurricane Laura	South Central United States
6.	Hurricane Hanna	Texas
7.	Cyclone Nisarga	Maharashtra and Gujarat
8.	Cyclone Amphan Named by: Thailand	New Cyclone formed on the Bay of Bengal

Cyclone 'Nivar'	Named by Iran	**Formed on:** 23rd November 2020 **Peak strength on:** 25th November 2020 **Dissipated on:** 27th November 2020	Crossed b/w Puducherry & Mamallapuram Wind Speed: 120 – 130 kmph

It is the **4th cyclone** that has taken shape in the **North Indian Ocean region this year**. The first three cyclones were **Cyclone Gati** (made landfall in Somalia in November – *named by India*), **Cyclone Amphan** (eastern India witnessed it in May - *named by Thailand*), and **Cyclone Nisarga** (in Maharashtra *named by Bangladesh*).

15. GEOGRAPHICAL INDEX (GI) TAG

S.No.	GI Tag	State
1.	Sirsi Supari	Karnataka
2.	Coorg Arabica Coffee Chikmagalur Arabica Coffee Bababudangiris Arabica Coffee Araku Valley Arabica Coffee Wayanad Robusta Coffee	Karnataka Karnataka Karnataka Andhra Pradesh Kerala
3.	Marayur Jaggery	Kerala
4.	Erode Turmeric	Tamil Nadu
5.	Thirubuvanam Silk Sarees	Tamil Nadu
6.	Namma Kolhapuri chappal	Maharashtra & Karnataka
7.	Kandhamal Haldi	Odisha
8.	Rasagola	Odisha
9.	Alphonso mango	Maharashtra
10.	Shahi Litchi	Bihar
11.	Green and White teas	Darjeeling
12.	Kashmir's famed saffron	Kashmir
13.	Balaramapuram, Chendamangalam and Kuthampully	Kerala
14.	'Khaje', spicy Harmal Chilli and Myndoli Banana (Moira Banana)	Goa
15.	Chak-Hao, a black rice variety	Manipur
16.	Gorakhpur terracotta	Uttar Pradesh
17.	Kashmir Saffron	Jammu & Kashmir
18.	Sohrai Khovar Painting	Jharkhand
19.	Telia Rumal Cloth	Telangana

S.No.	Place	Products
1.	Madurai	Jasmine Flower
		Sungudi Sarees
2.	Sirumalai	Banana
3.	Pathamadai	Mat
4.	Kacheepuram	Silk Sarees
5.	Arani	Silk Sarees

S.No.	Place	Products
6.	Bhavani	Bed Sheet (Jamakkalam)
7.	Nachiyar Kovil	Kuthuvilakku
8.	Kovai	Wet Grinder
9.	Tanjoor	Paintings
		Veenai
		Kalaithattu
		Thalaiyatti Bommai
10.	Erode	Turmeric
11.	Mahabalipuram	Sculptures
12.	Salem	Handlooms
		White Silks
13.	Nilgris	Todar Tribes Embroidery Work
		Thailam
14.	Swami Malai	Panchaloga Silaigal
15.	Nagercoil	Temple Jewels
16.	Eethamozhi	Coconut Trees
17.	Virupatchi	Malai Valaipalam
18.	Chettinadu	Handloom
19.	Kodaikanal	Malai Poondu
20.	Palani	Panchamirtham

21.	Srivilliputhur	Palkova
22.	Kovilpatti Kadalai mittai	Tuticorin district, Tamil Nadu
23.	Netti Works	Thanjavur, Tamil Nadu
24.	Arumbavur wood carvings	Perambalur, Tamil Nadu

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16. APPOINTMENTS

COUNTRY's NEW PRESIDENTS / PRIME MINISTERS

COUNTRY	PRESIDENT / PRIME MINISTER
Joe Biden (Political party: Democratic)	46th President of the United States of America
Vladimir Putin	Russian President Vladimir Putin records victory in Presidential polls. He is set to stay in power until the middle of the next decade i.e. until 2036.
Jacinda Ardern	Prime Minister of New Zealand
Yoshihide Suga	Prime Minister of Japan
Hamed Bakayoko	Prime Minister of Ivory Coast
Mohamed Irfaan Ali	President of Guyana
Mahinda Rajapaksa	Prime Minister of Sri Lanka
Alexander Lukashenko	President of Belarus
Walter Roger Martos Ruiz	Prime Minister of Peru
Mohamed Ould Bilal	Prime Minister of Mauritania
Luis Abinader	President of Dominican Republic
Francisco Asue	Prime Minister of Equatorial Guinea
Keith Rowley	Prime Minister of Trinidad and Tobago
Mustapha Adib	Prime Minister of Lebanon
Lee Hsien Loong	Prime Minister of Singapore
Gudni Johannesson	President of Iceland
Jean Castex	Prime Minister of France
Andrzej Duda	President of Poland
Hichem Mechichi	Prime Minister of Tunisia

NEWLY APPOINTED CHIEF MINISTER:

STATE	CHIEF MINISTER
Nitish Kumar	Bihar (4th consecutive term)
Shivraj Singh Chouhan	Madhya Pradesh

NEWLY APPOINTED GOVERNORS:

STATE	NEW GOVERNOR
Manoj Sinha	Lieutenant Governor of Jammu and Kashmir
Satya Pal Malik	Governor of Meghalaya
Bhagat Singh Koshyari	Governor of Goa
Anandiben Patel	Governor of Madhya Pradesh

S. No.	Current Rajya Sabha Members	Field
1)	Ranjan Gogoi	Law
2)	Subramanian Swamy	Economics
3)	Mary Kom	Sports
4)	Roopa Ganguly	Art
5)	Narendra Jadhav	Economics
6)	Suresh Gopi	Art
7)	Ram Shakal	Social Work
8)	Swapan Dasgupta	Journalism
9)	Sambhaji Raje	Social Work
10)	Sonal Mansingh	Art
11)	Raghunath Mohapatra	Art
12)	Rakesh Sinha	Literature

PERSONS	POSITION / DESIGNATION
Bipin Rawat	Country's 1st Chief of Defence Staff (CDS)
Yashvardhan Kumar Sinha	Chief Information Commissioner (CIC)

Arham Om Talsania	a six-year-old boy from Gujarat *who has become the world's youngest computer programmer*
M. Rajeshwar Rao	RBI Deputy Governor
Harivansh Narayan Singh	Deputy Chairman of The Rajya Sabha
Former president Pranab Mukherjee	Former president Pranab Mukherjee passed away on August 31, 2020 who served as the 13th President of India from 2012 until 2017.
Jaswant Singh	Former Union minister Jaswant Singh passed away
S.P. Balasubrahmanyam	He passed away on 25th September 2020. He sang over 40,000 songs in 16 Indian languages. He was a recipient of the Padma Shri (2001) and Padma Bhushan (2011) from the Government of India.
TIME Magazine's list of 100 Most Influential People of 2020	**5 Indian's are there in the list:** ➤ Prime Minister Narendra Modi ➤ Alphabet and Google CEO Sundar Pichai ➤ Professor Ravindra Gupta ➤ Ayushmann Khurrana ➤ The 82-year-old Bilkis Bano, who came to be known as the "Dadi of Shaheen Bagh"
Rajesh Khullar	Executive Director at World Bank
Rajiv Kumar	**new** *election commissioner*
Rakesh Asthana	**Director General of Border Security Force, BSF.**
Girish Chandra Murmu	**new** *Comptroller and Auditor General (CAG)*
Pradeep Kumar Joshi	**new Chairman of** *Union Public Service Commission (UPSC)*
NASA Astronauts returns back safely	Bob Behnken and Doug Hurley two US astronauts who were sent to the International Space Station two months ago return to the Earth safely
Japanese PMs Shinzo Abe	Shinzo Abe resigned a year before he would have completed his term (September 2021) in office after the ulcerative colitis, an inflammatory bowel disease
Sashidhar Jagdishan	new managing director (MD) and chief executive officer (CEO) of HDFC Bank
Pramod Bhasin	new Chairman of Indian Council for Research on International Economic Relations (ICRIER)
Soma Mondal	next chairman of Steel Authority of India Limited (SAIL)
Indra Mani Pandey	India appoints Indra Mani Pandey as new envoy to UN bodies
Shrikant Madhav Vaidya	new chairman of Indian Oil Corporation
Injeti Srinivas	Chairman of International Financial Services Centres Authority (IFSCA)

Election Commissioner, Ashok Lavasa	new Vice President of Asian Development Bank (ADB)
Urjit Patel	Chairman of the National Institute of Public Finance and Policy.
Arun Singhal	Chief Executive Officer of FSSAI
Pradip Kumar Tripathi	Secretary in Ministry of Steel
Volkan Bozkir	New president of 75th UN General Assembly
Harsh Vardhan	Chairman of the Executive Board of World Health Organization (WHO)
Carmen Reinhart	Chief Economist of World Bank Group
SANJAY KOTHARI	New Central Vigilance Commissioner
SURESH N. PATEL	New Vigilance Commissioner
Shobana Narasimhan	International Honorary Member to American Academy of Arts and Science
SARITHA KOMATIREDDY	Appointed as the Judge of US Federal Court in New York
ASHOK MICHAEL PINTO	Nominated as US representative to International Bank for Reconstruction and Development (IBRD)
MANISHA SINGH	US envoy to the Organization for Economic Cooperation and Development (OECD)
Rahul Dev	The first Hindu youth to join Pakistan Air Force
Uddhav Thackeray	Maharashtra CM Uddhav Thackeray elected *unopposed to Legislative council*
Charles Michel	European Council president
Tedros Adhanom	WHO Director-General
Henrietta Fore	UNICEF Executive Director
Mike Pence	Vice president of USA
Mustafa Al-Kadhimi	Prime Minster of Iraq
Dia Mirza	UNEP Goodwill Ambassador
Adhir Ranjan Chowdhury	Chairperson of Parliament's Public Accounts Committee

António Guterres	Secretary-General of the United Nations
Adarsh Kumar Goel	Chairperson of National Green Tribunal
Ajit Doval	National Security Advisor
Abdel Fattah el-Sisi	Egyptian President
Rodrigo Duterte	Philippines President
Balram Bhargava	ICMR director
Soumya Swaminathan	WHO's Chief Scientist
Indu Shekhar Chaturvedi	New Secretary, Ministry of & Renewable Energy Ministry
Manoj Ahuja	New Chairman of Central Board of Secondary Education
Jair Bolsonaro	President of Brazil
Mike Pompeo	United States Secretary of State
Mette Frederiksen	Prime Minister of Denmark
Rajesh Goel	Appointed as Director General of NAREDCO (National Real Estate Development Council)
David Malpass	President of World Bank
Roberto Azevedo	WTO Director-General
G.R. Chintala	new chairman of NABARD
Marcos Troyjo	New President of New Development Bank (NDB)
Viswanathan Anand	Ambassador of World-Wide Fund India
Sanjay Kothari	Central Vigilance Commissioner
Michael Debabrata Patra	New Deputy Governor of Reserve Bank of India

17. WOMEN IN NEWS

Kamala Harris	first woman of Indian-American and African-American origin to be a member of the United States Senate (Vice - President).
Vidisha Maitra	elected to the UN Advisory Committee on Administrative and Budgetary Questions (ACABQ), a subsidiary organ of the General Assembly.
Charu Sinha	first woman commander to head the Central Reserve Police Force (CRPF) formation in the Kashmir Valley
Zohra Segal	Google dedicated a doodle to Zohra Segal, one of the country's first female actors to truly achieve recognition on the international stage.
Shivangi Singh	Flight Lieutenant Shivangi Singh is set to **become India's first woman fighter pilot to fly the Rafale aircraft**
Arati Saha	Google dedicated its doodle to swimmer Arati Saha on her 80th birth anniversary.
SS Kalpana Chawla cargo spacecraft	A commercial cargo spacecraft bound for the International Space Station (ISS) launched **carrying the name of deceased NASA astronaut Kalpana Chawla**
Usha Padhee	First Woman DG of Bureau of Civil Aviation Security
Khushi Chindaliya – 17-year-old girl	UNEP regional ambassador
Noor Inayat Khan	**World War II spy Noor Inayat Khan is now the first woman of Indian origin to be commemorated by the distinct blue London plaque.**
UN Security Council Resolution On Women Peacekeepers	India has co-sponsored a security council resolution that calls for full, effective and meaningful participation of women personnel in peacekeeping operations.
Major General Nigar Johar	Pakistan Army has appointed Major General Nigar Johar as 1st female lieutenant general.
Rose Christiane Ossouka Raponda	first woman prime minister of Gabon
Nethra Mohandass – 13yr old Madurai girl	Appointed as **"UNADAP Goodwill Ambassador to the Poor"**
P.V. Sindhu	BBC Indian Sportswoman of the Year
P.T. Usha	Lifetime Achievement Award
Former Prime Minister Indira Gandhi and freedom fighter Amrit Kaur	among TIME Magazine's 100 greatest women of the year

Christina Koch	**Longest Spaceflight by a Woman** - NASA astronaut Christina Koch landed on the Earth on 6th February 2020 *after a record stay of 328 days on the International Space Station.*
A P Maheshwari	Director General of the Central Reserve Police Force
Deepika Padukone	Crystal Award 2020
Sanjana Kapoor	Chevalier dans l'Ordre des Arts et des Lettres
Rani Rampal	World Games Athlete of the Year award

18. AWARDS

AWARDS / PRIZES	PERSON / ORGANIZATION
The Booker Prize 2020	Douglas Stuart for the novel Shuggie Bain
Vatayan Lifetime Achievement Award	Union Education Minister Ramesh Pokhriyal
LILAVATI AWARD-2020	Union Minister of Education virtually launched Lilavati Award-2020: AICTE's Innovative education program **to empower women**
28th Ezhuthachan Puraskaram	Paul Zacharia
Abel Prize 2020	**Hillel Furstenberg & Gregory Margulis** **Contribution:** "for pioneering the use of methods from probability and dynamics in group theory, number theory and combinatorics"
55th Jnanpith Award	Akkitham Achuthan Namboothiri
Rashtriya Khel Protsahan Puruskar 2020	Air Force Sports Control Board
Yamin Hazarika Award	Rana Safvi
Indira Gandhi Peace Prize 2019	Sir David Attenborough
United Nations award for its "outstanding contribution" towards the non-communicable diseases-related sustainable development goals.	Kerala
Lata Mangeshkar award 2020-21	Usha Mangeshkar
PATA Grand Award 2020	Kerala Tourism
International Booker Prize 2020	*Dutch Author,* **Marieke Lucas Rijneveld** *Novel:* **"The Discomfort of Evening"**
SKOCH Gold Award	SKOCH Gold Award has been awarded to **the Ministry of Tribal Affairs (MoTA)** for its **"Empowerment of Tribals through IT enabled Scholarship Schemes"** project.
Rajiv Gandhi Khel Ratna Award	Rohit Sharma - Cricket
	Mariyappan Thangavelu – Para Atheletics
	Manika Batra – Table Tennis
	Vinesh Phogat - Wrestling
	Rani Rampal - Hockey
SWACHH SURVEKSHAN 2020 (more than	1st – Indore, Madhya Pradesh

1 Lakh Population)	2nd – Surat, Gujarat
	3rd – Navi Mumbai, Maharashtra
ATAL Ranking of Institutions On Innovation Achievements	**IIT Madras** bagged the top position under the category of Institutes of National Importance, Central Universities, and Centrally Funded Technical Institutes.
Food Vision 2050 Prize	US-based Rockefeller Foundation
Golden Peacock National Training Award	Ramco Cements
2020 von Karma Award	ISRO chief Dr Kailasavadivoo Sivan
CII-ITC Sustainability Award 2019	National Thermal Power Corporation Limited
Elites Excellence Awards 2020	Chhattisgarh
Global Humanitarian Award 2020	Sachin Awasthi
Nelson Mandela Prize 2020	Morissana Kouyate and Marianna Vardinoyannis
Gulbenkian Prize	Greta Thunberg
President's Award in Singapore	**Kala Narayanasamy** honoured with President's Award in Singapore
Gustave Trouve Award	**India's first solar ferry "Aditya"**
Football Premier Leagues Golden Boot football award	Jamie Vardy
Karamveer Chakra Award	Sunil ydv SS
World Food Prize 2020	Dr. Rattan Lal
Gustave Trouvé Award	India's first solar-powered ferry, Aditya, which became an icon on the Vaikom-Thavanakadavu route in Kerala, has been shortlisted for the Gustave Trouvé Award.
Richard Dawkins Award	Javed Akhtar
Ramon Magsaysay Awards	Asia's Nobel Prize-Ramon Magsaysay Awards *cancelled due to COVID-19.*
A commemorative medal from Russian President Vladimir Putin on the occasion of the 75th anniversary of Russia's victory in World War II	*KIM JONG UN*
"Order of Rising Sun" Award by Japan	Thangjam Dhabali Singh – Indian Doctor
Nikkei Asia Prize 2020	T. Pradeep
Pulitzer Prize 2020	Dar Yasin, Mukhtar Khan and Channi Anand

SKYTRAX Award 2020	**Kempegowda International Airport**, Bengaluru has won the SKYTRAX Award 2020
Alexander Dalrymple Award 2019	Indian Naval Vice Admiral Vinay Badhwar
United Nations Military Gender Advocate of the year Award	Indian major Suman Gawani
Tyler Prize 2020	Pavan Sukhdev

The NOBEL PRIZE 2020		
Field	Laureates	Contributions
Physics	Roger Penrose	for the discovery that black hole formation is a robust prediction of the general theory of relativity
	Reinhard Genzel and Andrea Ghez	for the discovery of a supermassive compact object at the centre of our galaxy
Chemistry	Emmanuelle Charpentier and Jennifer A. Doudna	for the development of a method for genome editing
Physiology or Medicine	Harvey J. Alter, Michael Houghton and Charles M. Rice	for the discovery of Hepatitis C virus
Literature	Louise Glück	for her unmistakable poetic voice that with austere beauty makes individual existence universal
Nobel Peace Prize	World Food Programme (WFP)	for its efforts to combat hunger, for its contribution to bettering conditions for peace in conflict-affected areas and for acting as a driving force in efforts to prevent the use of hunger as a weapon of war and conflict.
The Sveriges Riksbank Prize in **Economic Sciences**	Paul R. Milgrom and Robert B. Wilson	for improvements to auction theory and inventions of new auction formats

Padma Awardees 2020:

AWARDS	PERSON	DOMAIN
	George Fernandes	Public Affairs - Posthumous
	Arun Jaitley	Public Affairs - Posthumous

AWARDS	PERSON	DOMAIN
	Sushma Swaraj	Public Affairs - Posthumous
Padma Vibhushan	Sir Anerood Jugnauth GCSK – Former President & Prime Minister of Mauritius	Public Affairs

	M C Mary Kom	Sports
	Chhannulal Mishra	Art
	Sri Vishveshateertha Swamiji Sri Pejavara Adhokhaja Matha Udupi - Karnataka	Others
Padma Bhushan	Manohar Gopalkrishna Prabhu Parrikar – Former CM of Goa	Public Affairs - Posthumous
	P V Sindhu	Sports
Padma Shri	Kangana Ranaut	Art

Padma Awardees 2020 from Tamil Nadu:

AWARDS	PERSON	DOMAIN
Padma Bhushan	Krishnammal Jagannathan	Social Work
	Venu Srinivasan	Trade and Industry
Padma Shri	Lalitha & Saroja Chidambaram	Art
	Manohar Devadoss	Art
	S Ramakrishnan	Social Work
	Kalee Shabi Mahaboob & Sheik Mahaboob Subani	Art
	Pradeep Thalappil	Science & Technology

19. APPS & PORTALS

India Climate Change Knowledge Portal	The portal will have all the major steps the Government is taking at both national and international levels to address the climate change issues.
National Portal for Transgender Persons	Union Minister for Social Justice & Empowerment launched a 'National Portal for Transgender Persons'.
ANANDA App	**LIC of India** has launched a New Business digital application named ANANDA.
Abhayam App	**Andhra Pradesh** government has launched the app, which helps women and children travelling in taxis and autorickshaws to raise an alarm in case of any emergency
"Secure Application for Internet (SAI) App	Indian Army has developed a simple and secure messaging application named the "Secure Application for Internet (SAI)"
SPICe+ Portal	Union Minister for Finance & Corporate Affairs informed Lok Sabha about SPICe+ portal.
e-Gopala App	**e-Gopala App will be a digital medium which will help livestock owners to choose advanced livestock's.** It is a comprehensive breed improvement marketplace and information portal for direct use of farmers.
I Rakhwali App	**Punjab government** has rolled out the App to **ensure greenery and to protect the environment in the state.**
iRAD App	The App when developed and functional will **enable the stakeholders such as the Police, Transport, Health, etc to use their mobile phones to collect accident data on the spot.**
AIR SCANNER App	Giving a push to the 'Aatmanirbhar Bharat' call by the Prime Minister, **IIT Bombay has launched an alternative to Camscanner**, a Chinese app mainly used for scanning documents, which was banned by the Government of India.
YuWaah Platform	The Ministry of Youth Affairs & Sports and United Nations Children's Fund (UNICEF) had signed **a 'Statement of Intent' to establish Generation Unlimited in India (YuWaah).**
EnglishPro App	It will act as an educational resource for the teachers, students and for people from varied backgrounds
e-Gram SWARAJ portal	To strengthen e-Governance in Panchayati Raj Institutions (PRIs) across the country, Ministry of Panchayati Raj (MoPR) has launched eGramSwaraj, a user-friendly web-based portal. **eGramSwaraj aims to bring in better transparency in the decentralised planning, progress reporting and work-based accounting.**

KRISHI MEGH	Union Minister of Agriculture & Farmers' Welfare launched the Krishi Megh. *Krishi Megh is the data recovery centre of ICAR (Indian Council of Agricultural Research).*
E-Gyan Mitra mobile app	E-Gyan Mitra mobile app has been launched by the Union Territory of Dadra and Nagar Haveli and Daman and Diu to provide online education.
Directorate General National Cadet Corps (DGNCC) Mobile Training App	The App will assist in conducting countrywide online training of NCC cadets.
OPEN API SERVICE	Aarogya Setu has introduced 'Open API Service', a novel feature to help the people, businesses and the economy to return to normalcy.
Harit Path App	The National Highways Authority of India (NHAI) has developed a mobile App called 'Harit Path' **to monitor location, growth, species details, maintenance activities, targets and achievements of each of its field units for each and every plant under all plantation projects.**
Swasthya Portal	Tribal Affairs Minister Arjun Munda inaugurated the e-portal on tribal health and nutrition named 'Swasthya'. The portal provides all health and nutrition related information of the tribal population of India on a single platform.
SRIJAN Portal	Defence Minister Rajnath Singh has launched 'SRIJAN' portal which is a one stop shop online portal that provides access to the vendors to take up items that can be taken up for indigenization.
VAHAN Portal	The Ministry of Road Transport and Highways has informed that full integration of **National Electronic Toll Collection (NETC) with VAHAN portal has been achieved.** The VAHAN system is now getting all information on FASTags through VIN/VRN.
OHE Inspection App	**Indian Railways** has launched an Overhead Equipment (OHE) Inspection app **which will help in minimizing the train delays and long waits due to technical snags**.
SURAKHSYA Portal	❖ National Portal of "Project Elephant" launched. ❖ The portal aims to collect real time information and will also manage conflicts on real time basis.
AIR SUVIDHA	The Delhi International Airport Limited (DIAL) has developed a web portal named **'AIR SUVIDHA' for India-bound international passengers.**
Kormo App	**Google** launches 'Kormo' app in India **to help people find jobs**
Super App	**Tata Group** is launching a new app named "Super App" purported **to bring together the country's disparate sales sector to offer a range of consumer goods.**

MY IAF App	**IAF** launches 'MY IAF' app **to provide career-related information**
TNPFCL App	Tamil Nadu **government launched the Tamil Nadu Power Finance** – 24 * 7 online service & Digital Payments for Girl Child Protection scheme
NADA INDIA App	Sports Minister has launched the National Anti-Doping Agency's first mobile app named as "NADA App".
Mobile Masterjee	**IIT Kanpur** has developed a classroom-to-home teaching setup 'Mobile Masterjee'. It will be very helpful to students in rural India. This setup can record the lectures or instructions by the teachers while using their available smartphones.
Skill Connect Forum	**Karnataka** launched 'Skill Connect Forum', a portal that connects job seekers with employers on a common platform.
Elyments App	Vice President to launch 'Elyments' on 5th July, **First Indian Social Media Super App**
Sanskrit Saptahiki	All India Radio starts its First-Ever Sanskrit News Programme 'Sanskrit Saptahiki'
PM Modi launches Atmanirbhar Bharat App Innovation Challenge	Atmanirbhar Bharat Innovation Challenge aims at **encouraging tech & startup communities to create world-class 'Made in India' Apps.**
Learning through E-Resources Made Accessible for Delhi (LEAD)	**Delhi Government** has launched an e-learning portal name as "Learning through E-Resources Made Accessible for Delhi (LEAD)".
Self Scan App	**West Bengal** launched Document Scanning (Self Scan) App & First Plasma Bank for COVID-19 Patients in West Bengal
Maha Job portal	**"Maha" Jobs Portal** has been launched by the **Maharashtra government.** The job portal has been rolled out **to offer remployment opportunities to local residents.**
MSDE launches AI-based "ASEEM" digital platform	The Ministry of Skill Development and Entrepreneurship (MSDE) has launched 'Aatamanirbhar Skilled Employee Employer Mapping (ASEEM)' portal to help skilled people find sustainable livelihood opportunities.
ATL App	**NITI Aayog's Atal Innovation** Mission has launched the ATL App Development Module **for school children across the country.**
on-line NISHTHA programme	on-line National Initiative for School Heads and Teachers Holistic Advancement (NISHTHA) programme launched in **Andhra Pradesh**
Mobile app KURMA	Conservation efforts for Tortoise and freshwater turtles
PM Street Vendor's AtmaNirbhar Nidhi (PM SVANidhi) App	Mobile App of "PM Street Vendor's AtmaNirbhar Nidhi" launched

Pravasi Rojgar App	Actor Sonu Sood launched "Pravasi Rojgar App". The application provides all necessary information **to find jobs and offer specific job training programmes.**
Restartindia Portal	**Muthoot Fincorp** launches portal "Restartindia" for MSMEs
Mausam App	The Earth Sciences Minister Harsh Vardhan launches 'Mausam' app for weather forecasts
Rozgar Bazar Portal	**Delhi government** has launched the portal named as **"Rozgar Bazar", a sort of marketplace for job seekers and the people recruiters.**
BIS Apps & Portal	The Union Minister for Consumer Affairs, Food and Public Distribution has launched the Bureau of Indian Standard **(BIS) Mobile App 'BIS-Care' and three portals namely the Standardization, Conformity Assessment and Training Portals of e-BIS for consumers.**
ai.gov.in	National "Artificial Intelligence Portal" of India called "ai.gov.in" has been launched
MeraVetan App	**Jammu and Kashmir** Lieutenant Governor has launched a salary tracker mobile app MeraVetan (Version-1) for government employees.
http://www.mpurban.gov.in/	**Madhya Pradesh** government has started Street Vendor Registration Portal http://www.mpurban.gov.in/
Raj Kaushal Portal	**Rajasthan Goverment** launches "Raj Kaushal Portal" to improve availability of opportunities for the migrated workers
Aarogyapath Portal	The government has launched an information platform 'AarogyaPath' **to provide real-time availability of critical healthcare supplies for manufacturers, suppliers and customers**.
SATYABHAMA Portal	The Ministry of Mines has launched a portal "SATYABHAMA (Science and Technology Yojana for Atmanirbhar Bharat in Mining Advancement)" **to promote research and development in the mining and minerals sector.**
YUKTI 2.0 Portal	HRD Minister launches 'YUKTI 2.0' Platform. The YUKTI 2.0 portal is for the Higher Education Institutes
eBloodServices App	Launched by Union Health Minister for the citizens who require regular blood.
MSME Portal	Nitin Gadkari launched the *"MSME Bank of Ideas, Innovation and Research portal"*
KISAN SABHA APP	Developed by CSIR - Central Road Research Institute, New Delhi to connect farmers **to supply chain and freight transportation management system**
AAROGYA SETU APP	Set a record of highest downloading app in India

GARUD PORTAL	DGCA launches 'GARUD' portal to fast-track exemptions of coronavirus-related drone operations.
AYUSH KAVACH APP - UTTAR PRADESH	The app will provide health-related tips and information about ayurvedic medicines amid the coronavirus pandemic.
Zoom App	**Vulnerable to Cyber Attacks**, Says CERT-India
Pravasi Raahat Mitra App	Uttar Pradesh launches the App for migrant workers
eSanjeevaniopd Portal - TN	Free online medical consultation to sick people
National Test Abhyas App	Union HRD Ministry launches new mobile app "National Test Abhyas" to *help the candidates to take mock tests for exams such as JEE Mains, NEET, etc..,*
CatchUp App	A **calling application** named as **"CatchUp"** has been launched by the social media major **Facebook.**
Rozgar Setu scheme	**Madhya Pradesh** would help to secure employment for skilled workers who have returned to the state in the COVID-19 situation.
Bharat Padhe Online Campaign and YUKTI web-portal	The Ministry of Human Resource Development (HRD) has launched two new initiatives Bharat Padhe Online Campaign and YUKTI web-portal *for improving and monitoring the online education ecosystem in India.*
SAMADHAN Challenge	A mega online challenge, SAMADHAN has been launched to *test the ability of students to innovate.*
e-Gram Swaraj Portal	To bring in better transparency and strengthening of the e-Governance in Panchayati Raj Institutions (PRIs) across the country through decentralized planning, progress reporting and work-based accounting.
iGOT Portal	An Online Training Portal launched on DIKSHA platform of MHRD
YUKTI Portal	**YUKTI** is Young India Combating COVID with Knowledge, Technology and Innovation. *It will act as a platform for the institutions to share their knowledge about challenges faced in encountering COVID-19.*
Krishi Rath App	The Government of India launched the "Krishi Rath" application *to help farmers to transport their agriculture produce to the mandis.*
NAADI App	The **Puducherry government** has rolled out a new mobile application platform *to help trace, track and contain the spread of COVID-19.*

20. BOOKS & AUTHORS

BOOKS	AUTHORS
"The Commonwealth of Cricket: A Lifelong Love Affair with the Most Subtle and Sophisticated Game Known to Humankind"	Ramachandra Guha
"Azadi: Freedom. Fascism. Fiction"	Arundhati Roy
Siyasat Mein Sadasyata	**Bihar Assembly Speaker** Vijay Kumar Choudhary.
Vishesh: Code to Win	**Nirupama Yadav**
Standard Treatment Guidelines for the Management of Substance Use Disorders (SUD) and Behavioural Addictions	**Released by Union health minister** Harsh vardhan
Best Practices in Digital India Land Records Modernization Programme	**Released by** Narendra Singh Tomar
RAW: A History of India's Covert Operations	Yatish Yadav
Amazing Ayodhya	Neena Rai
Connecting, Communicating, Changing	Released by the Union Defence Minister Rajnath Singh. Book chronicling Vice President Mr. Venkaiah Naidu's third year in office
Our Only Home: A Climate Appeal to the World	Dalai Lama
Full Spectrum: India's Wars, 1972-2020	Arjun Subramaniam
"Future of Higher Education – Nine Mega Trends"	Authored by: **CA V Pattabhi Ram** Released by: **M Venkaiah Naidu**
"Overdraft: Saving the Indian Saver"	Authored by: **Former RBI governor, Urjit Patel**
"Getting Competitive: A Practitioner's Guide for India"	Authored by: **RC Bhargava**
"His Holiness the Fourteenth Dalai Lama: An Illustrated Biography"	**Autobiography Of** "Dalai Lama"
"A Song of India"	Authored by: **Ruskin Bond**

"If It Bleeds"	Authored by: **Stephen King**
"Quest for Restoring Financial Stability in India"	Authored by: **Viral V.Acharya**
"The India Way: Strategies for an Uncertain World"	Authored by: **Minister of External Affairs Dr. S Jaishankar**
Letters to Mother | Narendra Modi	Translated from Gujarati to English by: Bhawana Somaaya
One Year of Modi 2.0 – Towards A Self-Reliant India	Released by: Ministry of Information and Broadcasting
Safe online learning in the times of COVID-19	Launched by the Union Minister for HRD
Lockdown Liaisons: Leaving and Other Stories	Shobha De
Legend of Suheldev: The King Who Saved India	Amish Tripathi
The Room where it Happened: A White House Memoir	John Bolton
Delhi That No One Knows and Capital Vignettes	R. V. Smith
Prof. B. B. Lal – India Rediscovered	Released by: Prahlad Singh Patel
Vijyant at Kargil: The life of a Kargil War Hero	VN Thapar & Neha Dwivedi
Finding freedom: Harry and Meghan and the making of a modern Royal family	Omidscobie & Carolyn Durand
Parliamentary Committee on Labour	Bhartruhari Mahtab
Leadership and the rise of great Power	Yan Xuetong
Wuhan Diary: Dispatches from a Quarantined City	Fang Fang
Hop On: My Adventures on Boats, Trains and Planes	Ruskin Bond
The lckabog	J K Rowling
The Enlightenment of the Greengage Tree	Shokoofeh Azar
Backstage: The Story Behind India's High Growth Years	Montek Singh Ahluwalia
Sridevi: The Eternal Screen Goddess	Satyarth Nayak

The Art of Her Deal: The Untold Story of Melania Trump	Mary Jordan
How the Onion Got Its Layers	Sudha Murty
Politics of Opportunism	Authored by: R P N Singh Released by: S Gurumurthy
Diamond In My Palm	Sanjay Dharwadker
The Winning Sixer	WV Raman

21.FESTIVALS

S.No.	FESTIVAL	STATE
1.	10th National Science Film Festival	Held Virtually
2.	India International Cherry Blossom Festival	Shillong, Meghalaya
3.	Chandi Padvo festival	Surat
4.	Onam Festival	Kerala
5.	Nuakhai Juhar	Odisha & Jharkhand
6.	Thumbimahotsavam 2020	Kerala
7.	Raja Parba festival	Odisha
8.	Thrissur Pooram	Kerala
9.	Bishnu Sendra Parva	Tribal festivals of Jharkhand, Odisha & West Bengal
10.	Ambubachi Mela	Assam
11.	Kinnow Festival	Punjab
12.	Lai Haraoba festival	Tripura
13.		
14.		

INDIAN HARVEST FESTIVALS

S.No.	HARVEST FESTIVAL	STATE
1.	Pongal	Tamil Nadu
2.	Makar Sankranti	Karnataka
3.	Magha Bihu	Assam
4.	Uttarayan	Gujarat
5.	Saaji	Himachal Pradesh
6.	Maghi	Punjab
7.	Kicheri	Uttar Pradesh

22. SPORTS

S. No.	SPORTS
1.	Legendary Argentine footballer - **Diego Maradona** - passed away
2.	**Target Olympic Podium Scheme** - program of the Ministry of Youth Affairs and Sports - to provide assistance to India's top athletes.
3.	**Daniil Medvedev -** won the Nitto ATP Finals 2020 held in England
4.	The foundation stone of 'Centre for Disability Sports at Gwalior, Madhya Pradesh' was laid
5.	**Cristiano Ronaldo** of Portugal became the **second men's player to score 100 international goals in Football after Ali Daei. Sunil Chhetri - India (72)**
6.	Indian Cricket players M S Dhoni and Suresh Raina announced their retirement from International Cricket
7.	Para-swimmer Satyendra Singh Lohia of Madhya Pradesh is the first Divyang Indian sportsperson of the country, who has been awarded with the Tenzing Norgay Adventure Award
8.	**Neelakantha Bhanu – World's Fastest Human Calculator:** Won the 1st ever Mental Calculation World Championship
9.	**James Anderson:** 1st fast bowler to take 600 Test wickets in Cricket.
10.	**Dwayne Bravo:** 1st bowler to took 500 wickets in T20 cricket
11.	**Ravindra Jadeja:** Indian Cricketer - India's 'most valuable player' by Wisden
12.	**India's Nitin Menon: Youngest umpire** to enter ICC Elite Panel
13.	**2022 FIFA World Cup** to be held in **Qatar**
14.	International Olympic Committee postpones **2022 Dakar Youth Olympics to 2026**
15.	**ICC Men's T20 World Cup** postponed to 2022 & scheduled to be played in Australia
16.	**India will host** 2022 Women's Asian Cup
17.	**Gomathi Marimuthu** gets four-year doping ban by AIU

18.	**Virat Kohli:** Forbes' list of the top 100 highest-paid athletes in the world for the year 2020 – 66th Place
19.	FIFA Football Ranking: India = 108th Rank; Belgium = 1st Rank
20.	**Bahrain** to host 4th Asian Youth Para Games 2021
21.	**Australia, New Zealand** to jointly host **FIFA Women's World Cup 2023**
22.	**Sania Mirza:** 1st Indian to be nominated for "Fed cup Heart Award"
23.	**World's highest-paid female athlete:** Japanese tennis star - **Naomi Osaka ($37.4 million / year)**
24.	**#WeWillWin campaign:** FIFA launches the campaign to pay tribute to COVID – 19 health workers
25.	Rajiv Gandhi Khel Ratna Award & Arjuna Award 2020 Nominees — Rajiv Gandhi Khel Ratna Award = Rohit Sharma; **Arjuna Awards** = Shikhar Dhawan, Deepti Sharma and Ishant Sharma
26.	**Wimbledon Postponed due to Covid-19 since the World War II**
27.	**Manipur** has announced two new schemes (CMAST & CMAT) to provide benefits to the exemplary sportspersons and artistes in the state
28.	**Saurashtra** won their maiden Ranji trophy title against Bengal
29.	**Tiger Woods** will be inducted into the World Golf Hall of Fame in its class of 2021
30.	**Shivpal Singh** became the second Indian javelin thrower after Neeraj Chopra to qualify for the Tokyo Olympics.
31.	**P.V. Sindhu and Mary Kom** are among the 5 nominees for the inaugural **BBC Indian Sportswoman of the Year award**
32.	**After Srinivas Gowda** created a storm by covering **100 metres in 9.55 seconds,** another Kambala runner Nishant Shetty has now overtaken the former by completing the same distance in 9.51 seconds.

AUSTRALIAN OPEN TENNIS: *2020 [20th January – 2nd February], Melbourne, Victoria, Australia*

Men's Singles	*Novak Djokovic (Serbia) (won)* Vs. Dominic Thiem (Austria)
Women's Singles	*Sofia Kenin (USA) (won)* Vs. Garbiñe Muguruza (Spain)
Men's Doubles	Rajeev Ram (USA) & Joe Salisbury (Britain)
Women's Doubles	Timea Babos (Hungary) & Kristina Mladenovic (France)

13th South Asian Games 2019:

Held on	1st to 10th December 2019
Held at	Kathmandu, Pokhara and Janakpur, Nepal
Held	Once in every 3 Years
Members in SAG	Bangladesh, Bhutan, India, the Maldives, Nepal, Pakistan and Sri Lanka

Ballon d'Or Award:

Ballon D'Or	Lionel Messi – 6th time
Ballon D'Or Feminin	Megan Rapinoe
Best Goal Keeper (Yashin Trophy)	Alisson Becker
Kopa Award for Young Players	Matthijis de Light

23. IMPORTANT DAYS

DAYS	EVENTS	THEMES/ SIGNIFICANCE
January 4	World Braille Day	To honor the birth anniversary of the inventor of Braille, Louis Braille
January 9	Pravasi Bharatiya Divas	To recognize the overseas Indians who have contributed to the development of India. This day was first celebrated in 2003.
January 12	National Youth Day	THEME: **"Fit Youth Fit India"**
January 24	International day of education	THEME: **"Learning for people, planet, prosperity, and peace"**
	National Girl Child Day	To provide support and opportunities to the girls of India
January 25	National Voters Day	THEME: **"Electoral Literacy for Stronger Democracy"**
January 26	International Customs Day	THEME: **"Customs fostering Sustainability for People, Prosperity and the Planet"**
January 27	International Day of Commemoration in Memory of the Victims of the Holocaust	THEME: **"75 years after Auschwitz - Holocaust Education and Remembrance for Global Justice"**

DAYS	EVENTS	THEMES/ SIGNIFICANCE
February 2	World Wetlands Day	**THEME:** Wetlands and Biodiversity
February 4	World Cancer Day	**THEME:** I am and I will
February 6	International Day of Zero Tolerance for Female Genital Mutilation	
February 10	World Pulses Day	Food and Agriculture Organization (FAO) to recognize the importance of pulses as a global food
	National Deworming Day	The National Deworming Day is a single fixed-day approach to treating intestinal worm infections in all children aged 1- 19 years.
February 11	International Day of Women and Girls in Science.	**THEME:** Investment in Women and Girls in Science for Inclusive Green Growth
	Safer Internet Day	**THEME:** Together for a better internet
February 13	World Radio Day	**THEME:** Radio and Diversity
February 19	Soil Health Card Day	Soil Health Card helps farmers to increase crop production by using a balanced amount of fertilizers.
February 21	International Mother Language Day	**THEME:** Languages without borders
February 28	National Science Day	**THEME:** Women in science

DAYS	EVENTS	THEMES/ SIGNIFICANCE
March 1	Zero Discrimination Day	**THEME:** "Zero Discrimination against Women and Girls"
March 3	World Hearing Day	**THEME:** "Hearing for life, don't let hearing loss limit you"
	World Wildlife Day	**THEME:** "Sustaining all life on Earth"
March 4	Rashtriya Suraksha Diwas / National Security Day	The Day is celebrated to honour the work of Indian Security Forces, which includes every security personnel, policemen, para military forces, guards, commandos, army officers, etc.
March 8	International Women's Day	**THEME:** "Generation Equality: Realizing Women's Rights"
March 14	Pi Day	The idea originated in the United States, where the convention is to write dates in a format that expresses March 14 as 3/14. Value of pi is 3.14.
March 15	World Consumer Rights Day	**THEME:** "The Sustainable Consumer"
March 20	World Sparrow Day	The observance of the day aims to raise awareness about this bird and to conserve it.
	International Happiness Day	**THEME:** "Happiness for all, together"
March 21	International Day of Forest	**THEME:** "Forests and Biodiversity"
March 22	World Water Day	The main purpose of World Water Day is to achieve Sustainable Development Goal 6, which includes Water and Sanitation for all by 2030
March 23	World Meteorological Day	**THEME:** "Climate and water"
	Shaheed Diwas / Martyr's Day	The day is to remember the sacrifice of great freedom fighters of India - Bhagat Singh, Rajguru and Sukhdev
March 24	World Tuberculosis Day	**THEME:** "It's Time: END TB"
March 28	Earth Hour	The Earth Hour is held every year on the last Saturday of March.

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DAYS	EVENTS	THEMES/ SIGNIFICANCE
April 1	Utkal Divas	Odisha Statehood Day celebrated on April 1
April 2	World Autism Awareness Day	**THEME:** *"The Transition to Adulthood"*
April 3	Army Medical Corps Raising Day	**MOTTO:** *"Survey Santu Nirmaya"*
April 7	World Health Day	**THEME:** *"Support Nurses and Midwives"*
April 10	World Homeopathy Day	**THEME:** *"Enhancing the scope of Homoeopathy in Public Health"*
April 12	International Day of Human Space Flight	The day commemorates the anniversary of Yuri Gagarin's historic spaceflight in 1961
April 14	World Chagas Disease Day	To increase awareness of Chagas disease
April 17	World Haemophilia Day	**THEME:** *"Get + Involved virtually and stay safe"*
April 18	World Heritage Day	**THEME:** *"Shared Culture, Shared heritage and Shared responsibility"*
April 19	World Liver Day	
April 21	Civil Services Day	It is celebrated as an occasion for the civil servants to rededicate themselves to the causes of citizens and renew their commitments to public service and excellence in work.
April 24	National Panchayati Raj Day	
April 25	World Malaria Day	**THEME:** *"Zero malaria starts with me"*
April 25	World Veterinary Day	**THEME:** *"Environment Protection for Improving Animal and Human Health"*
April 26	World Intellectual Property Day	**THEME:** *"Innovate for a Green Future"*
April 28	World Day For Safety And Health At Work	**THEME:** *"Safety and health at work can save lives"*

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DAYS	EVENTS	THEMES/ SIGNIFICANCE
May 1	International Labour Day	**THEME:** *"Uniting Workers for Social and Economic Advancement."*
May 3	World Press Freedom Day	To raise awareness of the importance of freedom of the press
May 4	International Firefighter's Day	To recognise and honour the sacrifices that firefighter's make to ensure that their communities and environment are as safe as possible.
May 5	World Hand Hygiene Day	**THEME:** *"SAVE LIVES: Clean your hands"*
May 5	World Asthma Day	**THEME:** *"Enough Asthma Deaths"*
May 5	International Day of the Midwife	**THEME:** *"Midwives with women: celebrate, demonstrate, mobilize, unite - our time is NOW!"*
May 7	World Athletics Day	To boost the participation of youths in athletics.
May 8	World Thalassaemia Day	**THEME:** *''The dawning of a new era for thalassaemia: Time for a global effort to make novel therapies accessible and affordable to patients"*
May 9	World Migratory Bird Day	**THEME:** *"Birds Connect Our World"*
May 10	Mother's Day	Mother's Day is celebrated every year on the second Sunday of May to honour motherhood and is observed in different forms throughout the world.
May 11	National Technology day	Marking **22nd anniversary of Pokhran nuclear tests**
May 12	International Day of the Nurse	**THEME:** *"Nursing the World to Health"*
May 15	International Day of Families	**THEME:** *"Families in Development: Copenhagen & Beijing"*
May 16	National Dengue Day	To Create awareness about dengue
May 17	World Telecommunications Day	**THEME:** *"Connect 2030: ICTs for the Sustainable Development Goals (SDGs)"*
May 18	International Museum Day	**THEME:** *"Museums for Equality: Diversity and Inclusion"*
May 20	World Bee Day	**THEME:** *"Bee Engaged"*
May 21	International Tea Day	To boost its production and consumption
May 22	International Day for Biological Diversity	**THEME:** *"Our solutions are in nature"*
May 23	World Turtle Day	To spread awareness about the protection of the natural habitat of turtles & tortoises.

May 25	International Day to End Obstetric Fistula	**THEME:** *"End gender inequality! End health inequities! End Fistula now!"*
May 28	World Dugong Day	**THEME:** *"Save dugong, save livelihood"*
May 29	International Day of UN Peacekeepers	**THEME:** "*Women in Peacekeeping: A Key to Peace.*"
May 30	Goa celebrated its Statehood Day	
May 31	World No Tobacco Day	**THEME:** *"Tobacco and related industry tactics to attract younger generations."*

DAYS	EVENTS	THEMES/ SIGNIFICANCE
June 1	World Milk Day	**THEME:** "the 20th Anniversary of World Milk Day"
June 2	Telangana State Formation Day	
June 3	World Bicycle Day	
June 4	International Day of Innocent Children Victims of Aggression	
June 5	World Environment Day	**THEME:** "BIODIVERSITY: It's time for Nature"
June 7	World Food Safety Day	**THEME:** "Food safety, everyone's business"
June 8	World Ocean Day	**THEME:** "Innovation for a Sustainable Ocean."
June 9	World Accreditation Day	**THEME:** "Accreditation: Improving Food Safety"
June 12	World Day Against Child Labour	
June 12	International Albinism Awareness Day	**THEME:** "Made To Shine"
June 14	World Blood Donor Day	**THEME:** "Safe Blood Saves Lives"
June 15	World Elder Abuse Awareness Day	**THEME:** "Lifting up Voices"
June 16	International Day of Family Remittances	**THEME:** "Building resilience in times of crisis"

June 17	World Day to Combat Desertification and Drought	**THEME:** "Food, Feed Fibre - The links between consumption and land"
June 19	International Day for the Elimination of Sexual Violence in Conflict	
June 20	World Refugee Day	**THEME:** "Every Action Counts"
June 21	International Day of Yoga	**THEME:** "Yoga for Health – Yoga at Home"
June 23	International Olympic Day	
June 25	International Day of the Seafarer	**THEME:** "Seafarers are Key Workers"
June 26	International Day Against Drug Abuse and Illicit Trafficking	**THEME:** "Better Knowledge for Better Care"
June 29	National Statistics day	**THEME:** "SDG - 3 (Ensure healthy lives and promote well-being for all at all ages) & SDG- 5 (Achieve gender equality and empower all women and girls)"
June 30	International Asteroid Day	

DAYS	EVENTS	THEMES/ SIGNIFICANCE
July 1	National Doctor's Day	**THEME:** "Lessen the Mortality of COVID 19"
July 4	International Day of Cooperatives	
July 6	World Zoonoses Day	
July 11	World Population Day	**THEME:** "Safeguarding the health and rights of women and girls"
July 12	World Malala Day	
July 15	World Youth Skills Day	**THEME:** "Skills for a Resilient Youth"
July 17	World Day for International Justice	

July 20	World Chess Day	
July 24	National Broadcasting Day	
July 26	Kargil Vijay Diwas	
July 28	World Hepatitis Day	**THEME:** "Hepatitis-free future,"
July 29	International Tiger Day	
July 30	World Day Against Trafficking in Persons	

DAYS	EVENTS	THEMES/ SIGNIFICANCE
August 1	Muslim Women's Rights Day	
August 3	World Sanskrit Day	
August 7	National Handloom Day	
August 9	International Day of the World's Indigenous Peoples / World Tribal Day	THEME: *"COVID-19 and indigenous peoples' resilience"*
August 10	World Biofuel Day	THEME: *"Biofuels towards Atmanirbhar Bharat"*
August 11	World Lion Day	
August 12	International Youth Day	THEME: *"Youth Engagement for Global Action"*
	World Elephant Day	
August 13	World Organ Donation Day	
August 19	World Humanitarian Day	THEME: *"#RealLifeHeroes"*
August 20	World Mosquito Day	
August 21	World Senior Citizen Day	
August 26	Women's Equality Day	

August 29	International Day Against Nuclear Tests	
	National Sports Day	To mark the birth anniversary of legendary hockey player Major Dhyan Chand.

DAYS	EVENTS	THEMES/ SIGNIFICANCE
September 2	World Coconut Day	**THEME:** *"Invest in Coconut to save the world"*
September 8	International Literacy Day	
September 9	International Day to Protect Education from Attack	**THEME:** *"Protect Education, Save a Generation"*
September 10	World Suicide Prevention Day	
September 15	National Engineer's Day	
	International Day of Democracy	
September 16	International Day for the Preservation of the Ozone Layer / World Ozone Day	**THEME:** *"Ozone for life: 35 years of ozone layer protection"*
September 17	World Patient Safety Day	**THEME:** *"Health Worker Safety: A Priority for Patient Safety."*
September 18	World Bamboo Day	**THEME:** *"Bamboo Now"*
September 19	International Coastal Cleanup Day	
September 21	International Day of Peace	**THEME:** *"Shaping Peace Together"*
September 22	World Rhino Day	
September 23	International Day of Sign Languages	
September 24	World Maritime Day	**THEME:** *"Sustainable Shipping for a Sustainable Planet."*

September 26	International Day for the Total Elimination of Nuclear Weapons	
September 27	World Tourism Day	**THEME:** *"Tourism and Rural Development"*
September 28	International Day for Universal Access to Information	
September 29	International Day of Awareness on Food Loss and Waste Reduction	
September 30	International Translation Day	

DAYS	EVENTS	THEMES/ SIGNIFICANCE
October 1	World Postcard Day	The first ever World Postcard Day was celebrated
	International Day of Older Persons	
October 2	International Day of Non-Violence	The Day is observed on 2 October, the birthday of Mahatma Gandhi, leader of the Indian independence movement and pioneer of the philosophy and strategy of non-violence.
October 5	World Habitat Day	**THEME:** *"Housing For All — A Better Urban Future"*
October 7	World Cotton Day	
October 9	World Post Day	
October 10	World Migratory Bird Day	**THEME:** *"Birds Connect Our World"*
	World Mental Health Day	
October 11	International Day of the Girl Child	**THEME:** *""My voice, our equal future"*
October 12	World Arthritis Day	**THEME:** *"Time2Work"*
October 15	Global Handwashing Day	**THEME:** *"Hand Hygiene for All"*
	International Day of Rural Women	**THEME:** *"Building rural women's resilience in the wake of COVID-19"*

October 16	World Food Day	**THEME:** *"Grow, Nourish, Sustain. Together"*
October 17	International Day for the Eradication of Poverty	**THEME:** *"Acting together to achieve social and environmental justice for all"*
October 20	World Osteoporosis Day	**THEME:** *"THAT'S OSTEOPOROSIS"*
	World Statistics Day	**THEME:** *"Connecting the world with data we can trust"*
October 21	Police Commemoration Day	
October 23	International Snow Leopard Day	
October 24	World Polio Day	**THEME:** *"A win against polio is a win for global health"*
	World Development Information Day	**THEME:** *"Information and Communications Technologies — New Solutions to Development Challenges"*
	United Nations Day	
October 27	World Day for Audio-visual Heritage	**THEME:** *"Your Window to the World"*
October 31	National Unity Day	The day is also observed as Rashtriya Ekta Diwas across the country **in paying tribute to Sardar Vallabhbhai Patel on his birth anniversary**

- ✓ ***Vigilance Awareness Week:*** 27th October to 2nd November 2020

- ✓ ***Wild Life Week:*** 1st October to 8th October 2020

- ✓ ***Ministry of Health and Family Welfare launched Decade of Healthy Ageing (2020-2030) on International Day for Older Persons (1st October).***

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DAYS	EVENTS	THEMES/ SIGNIFICANCE
November 5	World Tsunami Awareness Day	
November 10	World Science Day for Peace and Development	**THEME:** *"Science for and with Society in dealing with the global pandemic"*
November 11	National Education Day	
November 12	National Bird Day	
November 13	Ayurveda Day	
November 14	World Diabetes Day	**THEME:** *"The Nurse and Diabetes."*
November 16	International Day for Tolerance	
	National Press Day	
November 19	World Toilet Day	**THEME:** *"Sustainable sanitation and climate change"*
November 20	Awaas Diwas	
	World Children's Day	
November 21	World Television Day	
	World Fisheries Day	
November 25	International Day for the Elimination of Violence Against Women	**THEME:** *"Orange the World: Fund, Respond, Prevent, Collect!"*
November 26	Constitution Day / Samvidhan Diwas	To commemorate the adoption of the Constitution of India.
November 27	National Organ Donation Day	