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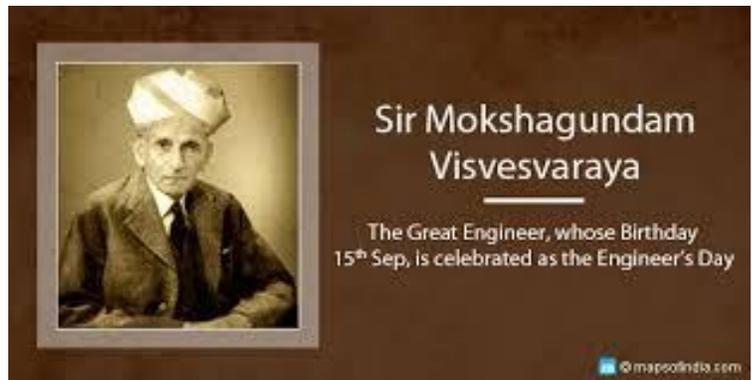
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## Greetings on Engineers Day

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We all celebrate Engineers Day on 15th September 2020 every year as a remarkable tribute to the greatest Indian Engineer Bharat Ratna Mokshagundam Visvesvaraya.



**Visvesvaraya** is also known as architect of modern India. He was India's most prolific civil engineer, he is known for dam building, most of the difficult dams are built under his guidance, he was a great statesman too. He Has Received India's **Prestigious Award "Bharat Ratna" In 1955** For His Services To The Country.

India in the 21<sup>st</sup> century has made tremendous progress in each of the fields of infrastructural growth through its excellent Engineering support and innovations.

**Some Snap Shots of Indian Engineering Examples of Excellence:**

**Mangalyan 2: One of India's Pride in Science and Space Technology**



**MANGALYAAN2**



**Solar Park** India's first solar park at Charanka village in Gujarat then Dhirubhai Ambani Solar Park near Pokran in the Jaisalmer are two major solar power projects in India. Gujarat Solar Park known as Charanka Solar Park is Asia's largest solar Park.

**The Gujarat International finance Tec-city** is central business district under-construction on the bank of river Sabarmati between Ahmedabad and Gandhinagar. GIFT City will have a special economic zone, entertainment zone.

This is an international techno park and one of the best Software Technology Parks of India.



**Delhi Metro** is a world-class metro equipped with the most modern communication and train control system introduced in the country for the first time. Unique feature of Delhi Metro is its integration with other modes of public transport and a trendsetter for such systems in other cities of the country and in the South Asian region.

**An arch bridge over the Chenab River** between Bakkal and Kauri of Jammu and Kashmir is under construction and is expected to be the world's highest rail bridge. Chenab Bridge is a large span arch over the river and scheduled to be completed in December 2021.



**Yamuna Expressway** is 165 km long India's longest six-lane controlled-access expressway stretch connecting Greater Noida with Agra. Expressway is equipped with SOS booths along the



route, toll free helpline, CCTV cameras, mobile radars and one highway patrol every 25 km. Source.



**The Bandra–Worli Sea Link or Rajiv Gandhi Sea Link** connect Bandra in the Western Suburbs of Mumbai with Worli and a part of the proposed Western Freeway. Bandra-Worli Sea Link is longest bridges above water in India. Longest bridges above water in India.



**The Banihal Rail Tunnel** is new 11.215 km long Banihal-Qazigund tunnel link connecting Bichleri Valley of Banihal with Qazigund area of Kashmir Valley. Pir Panjal Railway Tunnel is India's longest and Asia's third longest railway Tunnel.



**The controlled-access freeway** is 16.8 km long Eastern Freeway comprising of three segments, one of the twin tunnels, 13 km elevated road and Ghatkopar-Mankhurd Link Road. Eastern Freeway reduces travel time between South Mumbai and the Eastern Suburbs and ranked as one of the Outstanding Infrastructure Projects of the Country.



India got its **First Bus rapid transit** in Gujarat, also known as **Ahmadabad BRTS** has specialized design, services and infrastructure to improve system quality. Other BRTS in the Indian cities are Delhi Bus Rapid Transit System, Pimpri-Chinchwad Bus Rapid Transit System and Jaipur Bus Rapid Transit



**Indira Gandhi International Airport** is the busiest airport in Delhi, India and the new Terminal, it became India's and South Asia's largest aviation hub. The IGIA was ranked the second-best airport in the world and India's best International Airport.



**The Kathipara cloverleaf interchanges** is the largest cloverleaf flyover in the whole of Asia, situated at Alandur at the intersection and an important road junction in Chennai.



**The Grand and largest dam of the Narmada Valley Project** is the second largest concrete gravity dam (by volume) after Grand Coulee Dam in the US and has world's third largest spillway discharging capacity. – "SARDAR SAROVAR"



**Largest-ever 'Made-in-India' warship INS Chennai commissioned**

INS Chennai is one of the largest destroyers in Indian Navy's fleet.

It is 164 metres long and weighs over 7,500 tonnes. It sails at a top speed of over 30 knots (around 55 km) per hour.

The Kolkata-class destroyer is capable of engaging in anti-submarine and anti-ship warfare, land attacks, and air defence. The multi-mission ship is highly suited for expeditionary and surface strikes.

The ship is designed to carry and operate up to two multi-role combat helicopters, which are expected to be a Sea King and an HAL Dhruv.

**The Hindustan Aeronautics (HAL) Light Combat Aircraft** technology demonstrator has successfully performed an arrested landing on board the aircraft carrier *INS Vikramaditya*, followed by a maiden ski jump take-off.



The fighter is undergoing additional carrier trials, following which it will return to the Shore Base Test Facility (SBTF) at Goa. **The flight represented a historic moment for Indian aviation, being the first time a locally-produced jet has arrested aboard a carrier. – “TEJAS”**

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Best Regards

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