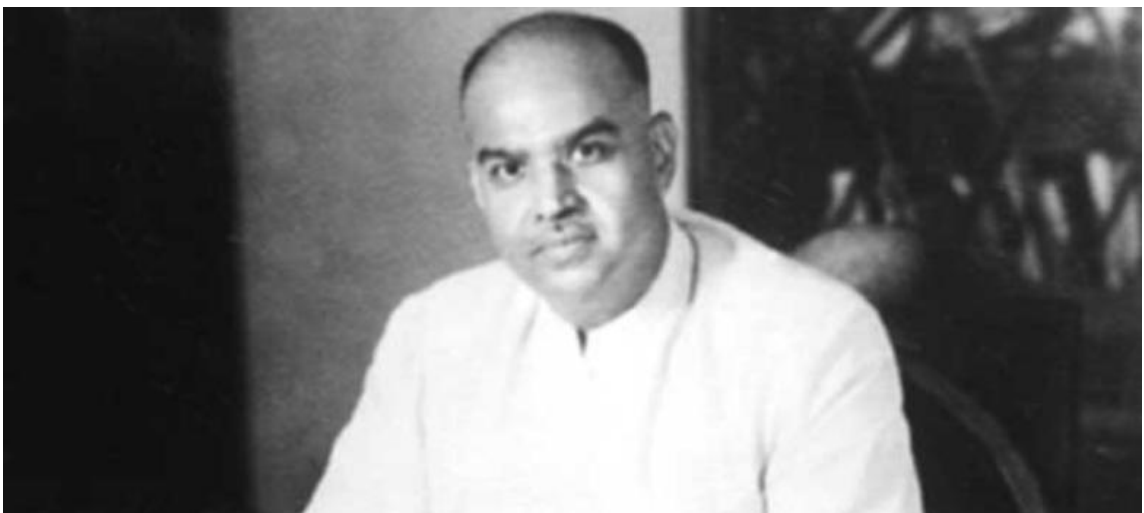


Daily Current Affairs

06 July 2026

Dr. Syama Prasad Mookerjee 125th Birth Anniversary

- On 6th of July 2026 India commemorates the 125th birth anniversary of Dr. Syama Prasad Mookerjee, he was one of the India's most distinguished political leaders, educationists and nationalists.
- He was remembered for his dedication to national unity, democratic values, and public service and his contributions continues to inspire generations.
- Dr. Syama Prasad Mookerjee was born on July 6th, 1901 in Calcutta (now Kolkata, West Bengal) and will celebrate his 125th birthday in 2026.
- In 1947, the first Union Cabinet of Independent India was led by Prime Minister Jawaharlal Nehru and included Dr. Mookerjee.
- He opposed separate constitutional systems and became widely identified with the slogan:
- "One country, no two constitutions, no two leaders, no two emblems."



World Zoonoses Day 2026

- On 6th of July 2026 Every year, the world observes World Zoonoses Day to spread awareness about the zoonotic diseases, it is a infectious disease that can be transmitted between animals and humans.
- This day commemorates Louis Pasteur's successful administration of the world's first rabies vaccine on 6th of July, 1995 and it was a landmark achievement in medical history that has revolutionized disease prevention.
- World Zoonoses Day is an annual global observance which is dedicated to educate people about diseases which spread between animals and humans.
- Zoonotic diseases, which are also known as zoonoses, are infections which can be naturally transmitted between animals and humans. These diseases may be caused by the,
 - Bacteria
 - Viruses
 - Parasites
 - Fungi



PM Modi Inaugurates CG Semi OSAT Facility

- PM Narendra Modi has inaugurated the CG Semi Outsourced Semiconductor Assembly and Test (OSAT) facility in Sanand, Gujarat. This facility is expected to strengthen the India's semiconductor manufacturing ecosystem by enhancing the the chip packaging and testing capabilities.

- It is developed under the Semicon India Programme, this project represents another important step towards building a complete semiconductor value chain from chip design and fabrication to assembly, packaging, and testing and it showcases India's to become self reliant in every part of technology.
- An OSAT (**Outsourced Semiconductor Assembly and Test**) facility refers to a single type of specialty manufacturing process; it handles the last stages of semiconductor wafer production.
- This programme aims to develop an integrated ecosystem that provides all aspects necessary for production of chips, including,
- Chip design, Semiconductor fabrication, Assembly of chips, Packaging of chips
- Testing of chips, Supply chain development, Research And Innovation



ACME Signs \$1 Billion Green Methanol Deal with Japan

- ACME Group has signed a binding agreement worth nearly \$1 billion with the Japan's **Mitsubishi Gas Chemical (MGC)**. This long-term contract will see ACME supply 100,000 tonnes of green methanol every year from its upcoming production facility in Paradip, Odisha.
- It was announced alongside with the 16th India-Japan Annual Summit and this agreement strengthens the bilateral cooperation in clean energy and also supporting India's **National Green Hydrogen Mission**.
- ACME Group has entered into the long-term commercial agreement with the Mitsubishi Gas Chemical to export 100,000 tonnes of green methanol every year from its Paradip plant in state of Odisha.

- The investment for this initiative is valued at nearly \$1 billion, it represents as one of the India's largest commercial green fuel export projects and it establishes a reliable overseas market for the Indian-produced green methanol.
- Green methanol is the low-carbon fuel that is produced by combining green hydrogen, generated using renewable electricity, with the captured carbon dioxide.
- The international shipping industry is under the increasing pressure to reduce their carbon emissions.
- Regulatory measures such as the International Maritime Organization's (IMO) decarbonisation strategy and the European Union's Fuel EU Maritime regulations are also encouraging shipping companies to adopt the cleaner fuels.



Global Passport Index 2026

- India's passport has ranked at 125th out of a total of 197 countries in the Global Passport Index 2026, which was published by Global Citizen Solutions. India slipped one position compared to the last year, and India's overall passport has reached a score of 45.1, which is the highest in the last 5 years.
- This ranking shows mix picture, as India has improved in areas such as quality of life and investment potential but limited global travel mobility impacts the overall position.
- Compared to passport rankings that focus solely on visa-free travel, the Global Passport Index uses a broader assessment based on three key pillars,
 - Enhanced Mobility (50%)
 - Quality of Living (25%)
 - Investment Opportunities (25%)

Rank	Country Name
1	Sweden
2	Switzerland
3	Finland
4	Germany
5	Denmark
5	Netherlands
6	Ireland
7	United Kingdom
8	Norway
9	Singapore

- According to the latest rankings,
- India – 125th
- Nepal – 164th
- Bangladesh – 166th
- Pakistan – 188th



Scientists Discover Earth-Like Exoplanet GJ 3378b

- GJ 3378b is an exoplanet orbiting the red dwarf star Gliese 3378, which lies about 25 light-years from the Solar System in the northern constellation Camelopardalis.
- The planet was first identified in 2024 and later re-analysed by astronomers at the University of California, Irvine, with revised measurements published on 1 July 2026.
- GJ 3378b orbits a faint red dwarf star, and red dwarfs are low-mass stars that are common in the Milky Way. The host star's location in Camelopardalis places the system in the northern sky, and the star's faintness makes precision measurements difficult.
- The revised mass of GJ 3378b is about 2.3 times the mass of Earth, compared with an earlier estimate of about 5.26 to 5.3 Earth masses. Its orbital period is 21.45 days, compared with an earlier estimate of 25 days, and this orbit places it within the star's habitable zone.
- The discovery used radial-velocity observations, a method that detects small changes in a star's motion caused by an orbiting planet. The instruments used included the Habitable-zone Planet Finder on the Hobby-Eberly Telescope at McDonald Observatory in Texas and the NEID Spectrometer on the WIYN Telescope in Arizona.



REVIEW QUESTIONS

1. India observed the 125th birth anniversary of Dr. Syama Prasad Mookerjee on which date in 2026?

- A) 5 July
- B) 6 July
- C) 7 July
- D) 8 July

Answer: B) 6 July

Explanation: India commemorated the **125th birth anniversary of Dr. Syama Prasad Mookerjee on 6 July 2026**. He was born on **6 July 1901** in Calcutta (now Kolkata).

2. Dr. Syama Prasad Mookerjee served in the first Union Cabinet headed by whom?

- A) Sardar Vallabhbhai Patel
- B) Lal Bahadur Shastri
- C) Jawaharlal Nehru
- D) Rajendra Prasad

Answer: C) Jawaharlal Nehru

Explanation: After Independence, Dr. Mookerjee became a member of the first Union Cabinet led by **Prime Minister Jawaharlal Nehru**.

3. World Zoonoses Day is observed every year to spread awareness about:

- A) Marine pollution
- B) Climate change
- C) Diseases transmitted between animals and humans
- D) Genetic disorders

Answer: C) Diseases transmitted between animals and humans

Explanation: World Zoonoses Day promotes awareness about **zoonotic diseases**, which spread naturally between animals and humans.

4. World Zoonoses Day commemorates the successful administration of the world's first rabies vaccine by:

- A) Edward Jenner
- B) Robert Koch
- C) Louis Pasteur
- D) Alexander Fleming

Answer: C) Louis Pasteur

Explanation: The observance marks **Louis Pasteur's first successful rabies vaccination on 6 July 1885**, a milestone in medical history.

5. The CG Semi OSAT facility inaugurated by Prime Minister Narendra Modi is located in:

- A) Dholera, Gujarat
- B) Sanand, Gujarat
- C) Noida, Uttar Pradesh
- D) Hosur, Tamil Nadu

Answer: B) Sanand, Gujarat

Explanation: The **CG Semi OSAT facility** has been established at **Sanand, Gujarat** under the Semicon India Programme.

6. In semiconductor manufacturing, OSAT stands for:

- A) Optical Semiconductor Assembly Technology
- B) Outsourced Semiconductor Assembly and Test

- C) Operational Semiconductor Analysis Tool
- D) Optical System and Testing

Answer: B) Outsourced Semiconductor Assembly and Test

Explanation: OSAT facilities perform the **assembly, packaging, and testing** of semiconductor chips after fabrication.

7. ACME Group has signed a long-term agreement with which Japanese company for the export of green methanol?

- A) Mitsubishi Heavy Industries
- B) Mitsubishi Gas Chemical (MGC)
- C) Toyota Corporation
- D) Hitachi Energy

Answer: B) Mitsubishi Gas Chemical (MGC)

Explanation: ACME Group will supply **100,000 tonnes of green methanol annually** to **Mitsubishi Gas Chemical (MGC)**.

8. According to the Global Passport Index 2026, India's passport is ranked:

- A) 98th
- B) 110th
- C) 125th
- D) 140th

Answer: C) 125th

Explanation: India secured the **125th position** among **197 countries** in the Global Passport Index 2026.

9. Which country secured the first position in the Global Passport Index 2026?

- A) Switzerland
- B) Germany
- C) Sweden
- D) Singapore

Answer: C) Sweden

Explanation: Sweden topped the **Global Passport Index 2026**, followed by Switzerland and Finland.

10. The newly studied exoplanet GJ 3378b was discovered using which astronomical technique?

- A) Direct Imaging Method
- B) Transit Method
- C) Radial Velocity Method
- D) Gravitational Microlensing

Answer: C) Radial Velocity Method

Explanation: GJ 3378b was detected using the **Radial Velocity Method**, which identifies planets by observing tiny movements in a star caused by the gravitational pull of an orbiting planet.

