

NSS EVENT 36: WORLD MANGROVE DAY- 26TH JULY 2025

Date: 27th July 2025

Time: 7:00 to 8:00 pm

Mode: Online (Google meet)

Speaker: Dr Arvinda Shaw (NSS PO-1)

1. Introduction:

World Mangrove Day, observed every year on 26 July, was established by UNESCO to raise awareness about the importance of mangrove ecosystems and to promote their conservation worldwide. This day also commemorates the life of environmental activist Guillermo Castro, who dedicated his life to mangrove protection. Raidighi College NSS Unit 1 organised an Online session for volunteers to observe this important day as our college is situated in Sundarban district and very close to World's largest Mangrove in the World. The Program officer, Dr Arvinda Shaw presented an informative PowerPoint presentation to the volunteers and students to explain the situation and role of youth as agents to protect Climate and this precious heritage on Earth. The volunteers pledged that they will keep their college campus clean by using designated wet and dry dustbins, engage in cleanliness drives and spread awareness among community people to beat plastic pollution to keep their environment clean.

2. Importance of World Mangrove Day:

a. Ecological Importance of Mangroves-

Coastal protection: Mangroves act as natural barriers against cyclones, storms, and tsunamis, reducing coastal erosion.

Biodiversity hotspots: They support diverse marine and terrestrial life—fish, crabs, birds, insects, and microorganisms.

Nursery grounds for fisheries: Many commercially important fish species breed and grow in mangrove environments.

Carbon sequestration (Blue Carbon): Mangroves store up to 10 times more carbon per hectare than terrestrial forests, helping fight climate change.

Water purification: They filter pollutants and maintain coastal water quality.

b. Economic Importance-

Provide livelihood to coastal communities through fishing, honey collection, fuel wood, and tourism.

Support sustainable aquaculture and ecotourism opportunities.

c. Social & Cultural Importance-

Many communities consider mangroves sacred and rely on them for traditional livelihoods.

Contribute to food security for millions of people in tropical coastal regions.

3. Objective of Observing World Mangrove Day:

*To raise public awareness about rapid mangrove loss due to deforestation, pollution, shrimp farming, and urbanization.

*To encourage global conservation efforts, restoration projects, and sustainable coastal management.

*To promote climate action, as mangrove conservation directly contributes to climate resilience.

*To involve citizens, especially youth, in sustainable environmental stewardship.

4. Role of Youth in Observing World Mangrove Day-

a. Awareness and Education:

*Organize or participate in school/college seminars, rallies, debates, and social media campaigns.

*Spread information about the importance of mangroves through posters, videos, or street plays.

*Educate local communities and fishermen about the long-term benefits of mangrove conservation.

b. Participation in Conservation Activities:

*Join or initiate mangrove plantation drives in coastal regions.

*Volunteer with NGOs, forest departments, and environmental clubs.

*Participate in clean-up campaigns to remove plastic and waste from mangrove areas.

c. Research and Innovation:

- *Conduct studies on mangrove biodiversity, water quality, or carbon storage as part of school/college projects.
- *Use digital tools (GIS, photography, drone mapping) to document mangrove health.
- *Innovate eco-friendly alternatives to harmful practices affecting mangrove ecosystems.

d. Advocacy and Policy Support:

Engage in youth forums or environmental clubs to advocate for stronger mangrove protection laws.

Influence peers and local leaders to support conservation policies and sustainable coastal development.

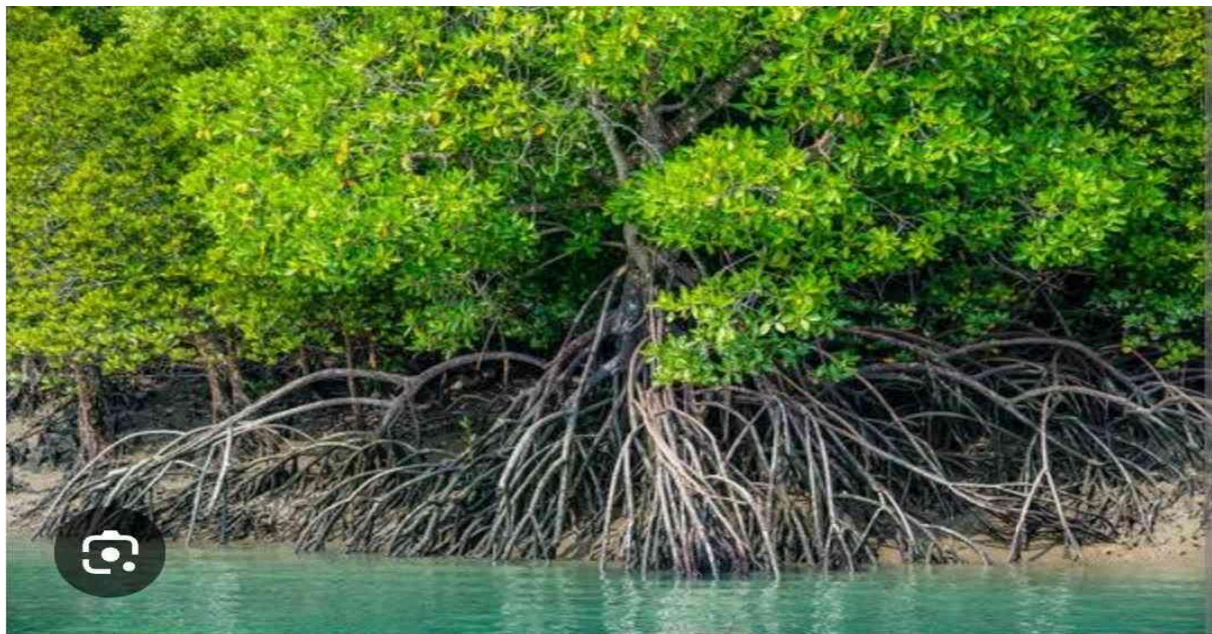
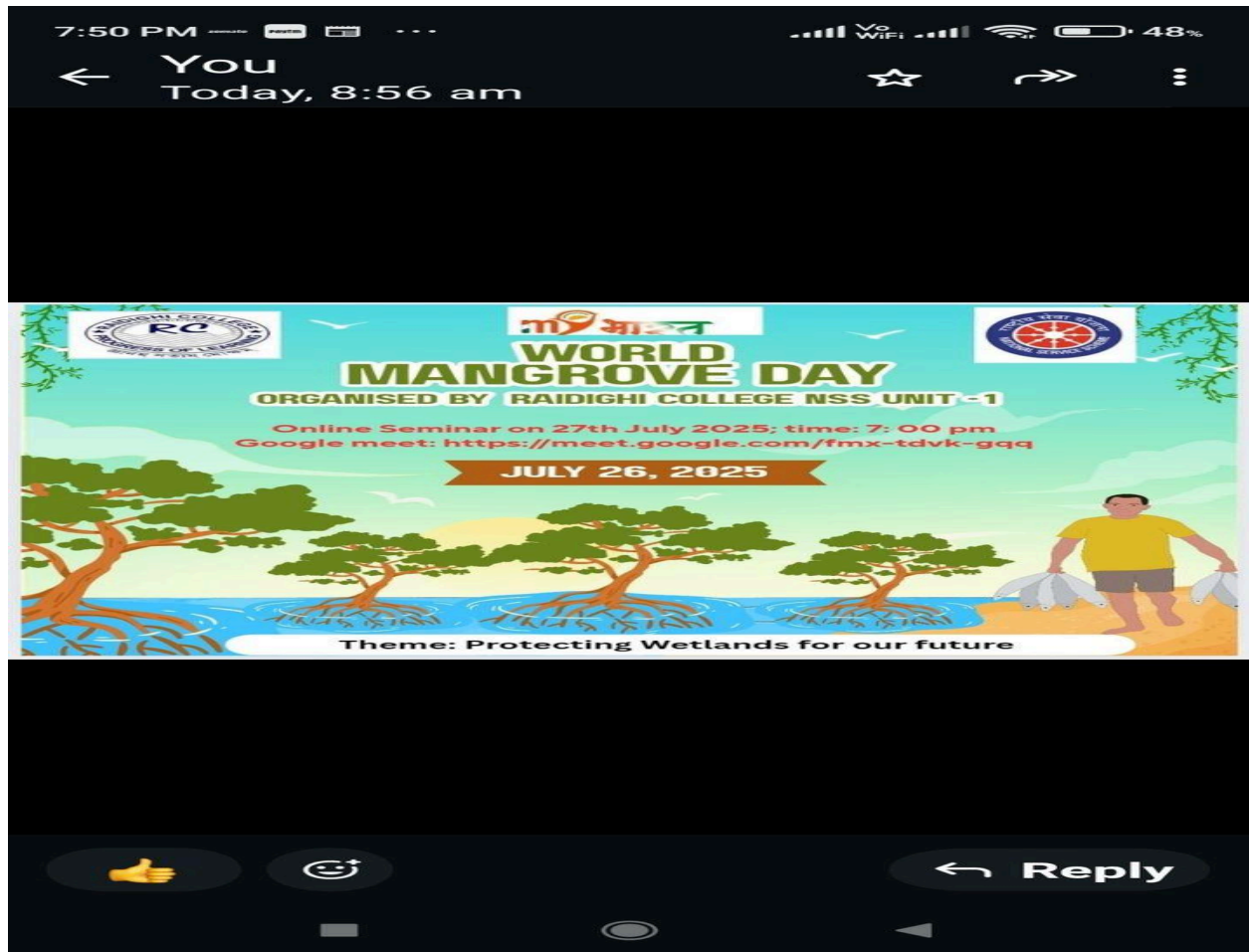
e. Sustainable Lifestyle Promotion:

- *Choose sustainable seafood and reduce plastic use to minimize ecological pressure on coastal zones.
- *Promote eco-friendly choices among friends and community members.

5. Conclusion:

World Mangrove Day is a powerful reminder of the ecological, economic, and social value of mangrove forests. Youth play a crucial role in safeguarding these ecosystems through awareness, active participation, research, innovation, and advocacy. By engaging in conservation actions today, the younger generation contributes to a more sustainable, climate-resilient future. The National Service Scheme of Raidighi College made its tiny effort to observe the day and spread awareness among the students. This program made the volunteers realise their responsibility to safeguard the environment and spread awareness to check pollution.

Few glimpses of the event:





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Tools



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Let everyone
unmute



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In call



Dr. Arvinda Shaw (You)

Meeting host



Bishakha Mistry

Visitor



Puskar Jatua

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Sarama Dey

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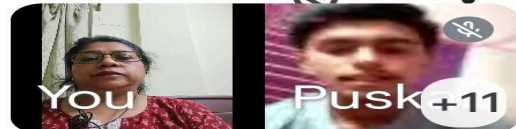
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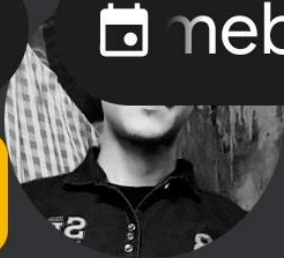


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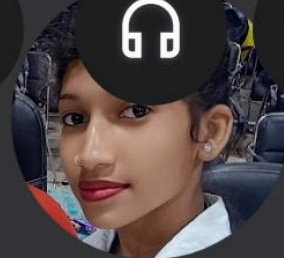
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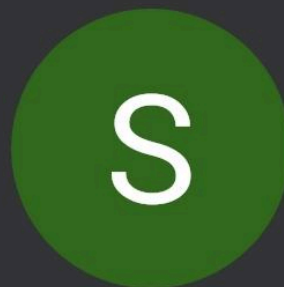
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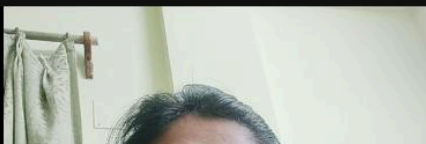
Sumana



Susama



Sudipta



‘grey infrastructure’ such as walls, which also don’t help climate change.”

Makkio Yashiro, regional ecosystems coordinator

Methods to conserve mangroves

- **Afforestation** (Deforestation should be discouraged)
- **Limiting human activities** (Urbanization should be limited)
- **Laws and Regulations** (There should be an implementation)
- **Protection** (Parks and reserves development)
- **Soil conservation**
- **Join Local Government Initiatives to conserve mangroves**
- **Sustainable Approaches toward Fisheries**