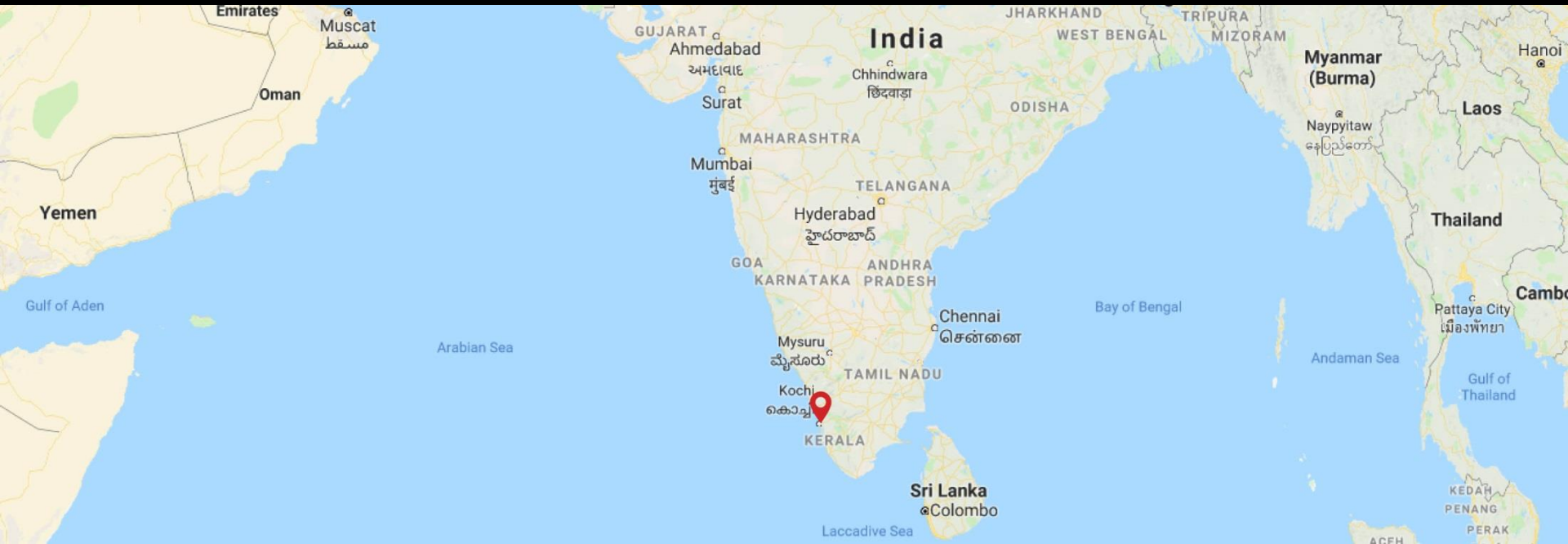


DESIGN WITH NATURE

MANGALVANAM- AN OLD TRAIN STATION AND A BIRD SANCTUARY



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- 22 acres of green space in the city.
- Considered as the green lung of the city.
- 2.74 hectares of bird sanctuary with mangroves.

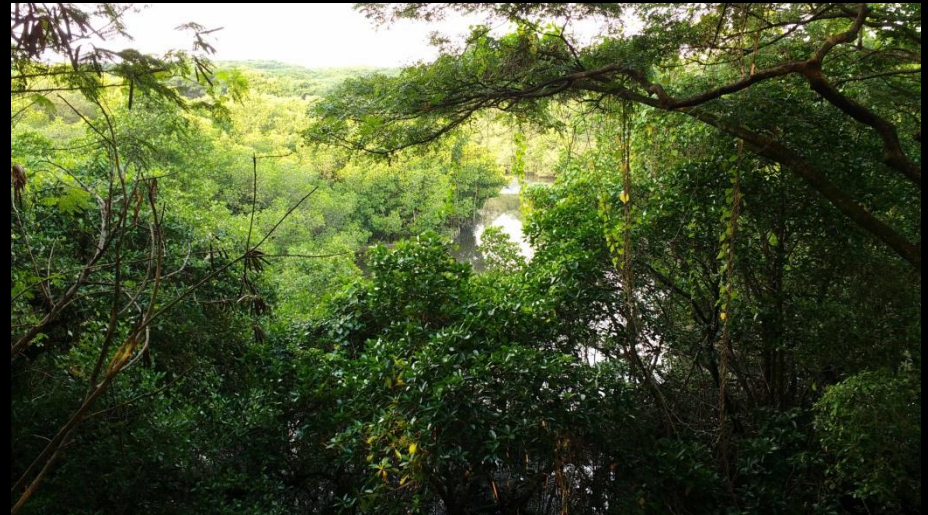


Heritage value of the site

- First railway station in Ernakulam
 - Constructed in 1902 by the Maharaja, HH Rama Raja Varma XV
 - British were not interested
 - King invested royal money
 - Sold properties and gold
 - Completed the project – Ernakulam Terminus
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- 3-4 regular trains with a capacity to carry 200 passengers
 - Prominent personalities arrived in the station
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- The bird sanctuary was left undisturbed being a marshy area
 - Biodiversity of Mangalvanam



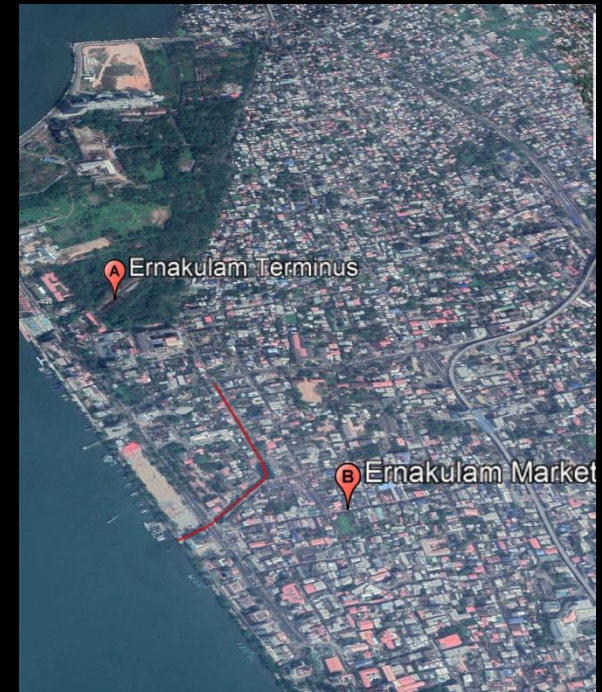
https://en.wikipedia.org/wiki/Rama_Varma_XV



<https://www.thenewsminute.com/article/abandoned-kochi-railway-station-fades-oblivion-government-apathy-44697>

Design with Nature Idea

- An important transportation node
- The location was chosen due to its proximity to the Ernakulam market
- Inland water canals connected different parts of the old city
- Boat jetties and ferries next to the station – easy movement of people and goods
- Marshy area on one side of the railway property
- The canal connected to backwaters – brings saline water in during the high tide
- Mangroves provide shelter to animals, birds and reptiles
- Nesting and breeding place for migratory birds



- New railway stations in the city – Ernakulam Terminus lost its glory
 - Converted into a goods station and abandoned completely later
 - Has some of the colonial structures
 - No public access – protected area
 - Nature took over the site
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- Railway planning for new projects in the site
 - Might have negative impacts the biodiversity of the area
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- High rise buildings near to the bird sanctuary – decrease in bird population



...To be continued in the next presentation