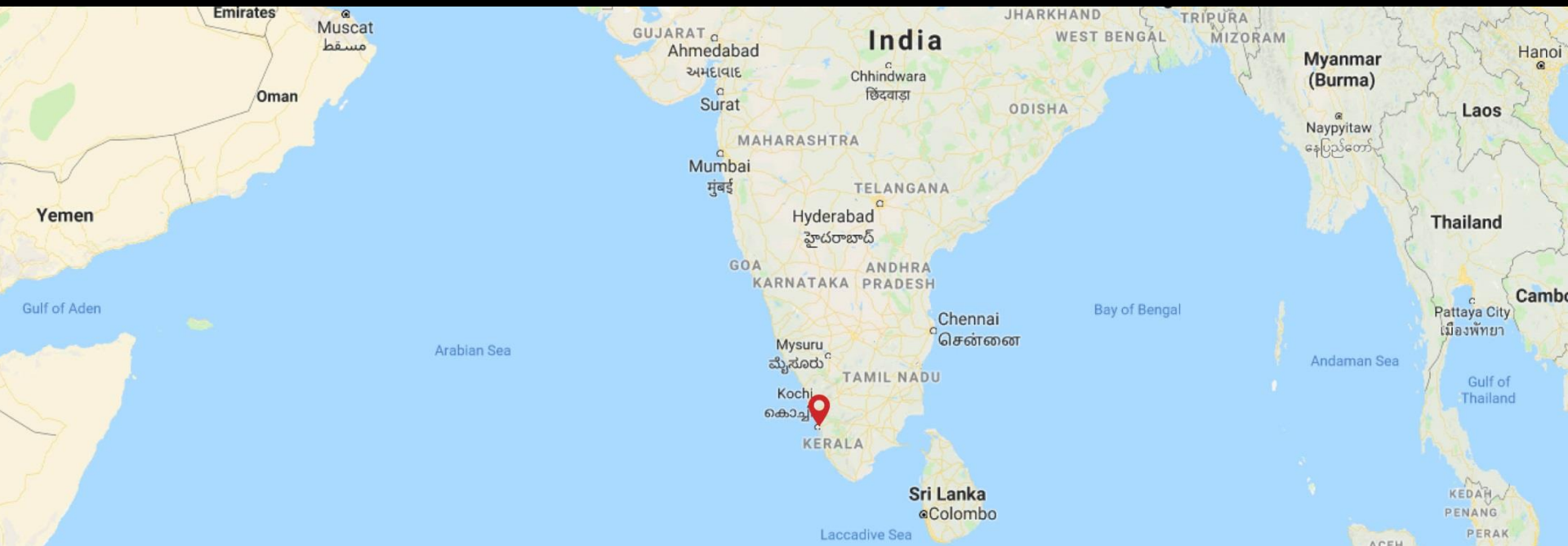


# DESIGN WITH NATURE

## Presentation 2

### MANGALVANAM – AN OLD TRAIN STATION AND A BIRD SANCTUARY



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# Mangalvanam

The map shows the location of Mangalvanam Bird Sanctuary and Railway Terminus in Ernakulam

## Legend

- Ernakulam Terminus Railway Station
- Mangalvanam Bird Sanctuary





## Challenges of the Landscape

- Poor maintenance of the historically important railway station site and bird sanctuary
- Waste dumping and pollution
- Development projects in the protected area – railway hospital or new railway station and service

Disturbance to bird sanctuary

Demolishing of old colonial structures

Felling of trees



Source: [https://c1.staticflickr.com/3/2870/8909700082\\_e7d4d11fb8\\_b.jpg](https://c1.staticflickr.com/3/2870/8909700082_e7d4d11fb8_b.jpg)



Picture taken by Jerin George

## Challenges of the Landscape

- High rise building around the bird sanctuary – interrupts the flight of the birds
- Lack of awareness of visitors about the breeding seasons of birds
- Polluted water in the water channels- breeding of mosquitos
- Unpleasant appearance of the bird sanctuary



Source: <https://image.slidesharecdn.com/conservation-planningandpractices-121211012009-phpapp01/95/mangalavanam-and-old-railway-station-ernakulam-12-638.jpg?cb=1355188865>



## Strategy for improvement

- A green space for the people in the city
- Existing buildings and trees can remain in the site
- Old structures can be used as pavilions and seating areas in the park - Also as monuments
- Strict regulations for the construction activities in the surroundings of protected areas.
- Regular maintenance of the bird sanctuary
- Awareness to the visitors of bird sanctuary



Source: <https://tripunithuratrains.wordpress.com/>

Pictures taken by : Jerin George