

# Literature Survey

Department: ELECTRONICS AND COMMUNICATION ENGINEERING

Team Members: LOGESH J(Team Lead),LIJO FERDINAND J,MATHESH RAJU,JEYA PRAKAASH.K.

| <b>S.No</b> | <b>TITLE</b>  | <b>PROPOSED WORK</b>  | <b>TOOLS USED/<br/>ALGORITHM</b>             | <b>TECHNOLOGY</b>                               | <b>ADVANTAGES/<br/>DISADVANTAGES</b>  |
|-------------|---|---|--|---|---|
| 1           | Revisiting traffic forecasting by port authorities in the context of port planning and development (2020) | In this paper Work forecasting ,strategic planning,investment decision,port authority | Traffic forecasting                          | Data Analytics                                  | To assess which statistical methodologies they rely on for performing their forecasts |
| 2           | Enhancing port activities using information and communication technology (2020)                           | To utilize technology innovations for enhancing port activities and services          | Smart port,seaport,smart port city,Computing | Information and communications technology (ICT) | To improve smart port activities,services and port management                         |

| <b>S.No</b> | <b>TITLE</b>   | <b>PROPOSED WORK</b>   | <b>TOOLS USED/<br/>ALGORITHM</b>   | <b>TECHNOL<br/>OGY</b> | <b>ADVANTAGES<br/>/<br/>DISADVANTA<br/>GES</b>                                |
|-------------|--|--|--|------------------------|---|
| 3           | From historical positioning data to unsupervised maritime traffic monitoring                 | In this paper, a method is proposed to automatically produce synthetic maritime traffic.                 | Maritime traffic representation, maritime surveillance, traffic monitoring | Data science           | The foundation to real-time automatic maritime traffic monitoring, prediction |
| 4           | Big data analytics and their use for decision making in port terminal and maritime companies | In this paper we will not delving into technical information and market research about the potential use | Data cleaning&scrubbing, good storage and management                       | Big data analytics     | The realization of the importance of big data from the business world         |

| <b>S.No</b> | <b>TITLE</b>  | <b>PROPOSED WORK</b>   | <b>TOOLS USED/<br/>ALGORITHM</b>                | <b>TECHNOLOGY</b>  | <b>ADVANTAGES/<br/>DISADVANTAGES</b>                            |
|-------------|---|--|---|--------------------|---|
| 5           | Upcoming regulations and future transformation of the shipping industry | In this paper the big data covers information capturing,sorting ,analysing and managing data | Volume scale of data,Velocity streaming of data | Big data analytics | To reduce the emissions which will lead to a net cost reduction |
| 6           | Using advanced analytics for port performance management (2019)         | In this paper port performance measurement models many gaps have been detected               | Data cleaning,data mining,data collection       | Data analytics     | Discover new revenue oppurtunities,im prove customer service    |

THANK YOU