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	C LODI & HONO	Computer Science RESEARCH ON SHIP SURVIVAL PREDICTION: AN INITIATIVE MODEL FOR ALL IN THE SHIP DURING COVID PANDEMIC CRISIS
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ABSTRACT There are lots of increasing crisis during the covid pandemic including fisheries, transportation ,people survival, industrial harms etc. Also previously many disasters came across sea so we need to aware of all those circumstances and situations. So in this paper I used the algorithm and deadlock condition concept to overcome some of the major problems earlier happened. Thus the basic definition of deadlock in this ship survival paper is that to continuosly check the resources availability and processes running ,observing the crowd of ship and all the shipping materials and informations of shipping. Shipping also creates sometime deadlock condition across the sea while travelling into different canals subways and during covid pandemic the most important thing is the demand of oxygen and its related vaccines, medicines. Thus we must have sufficient management risk analysis technique to handle evacuation through the ship and onboarding to the ship safely.

KEYWORDS : Covid Pandemic, deadlock, shipping, maritime Disaster Management, stakeholder Expectations, climate Decarbonization

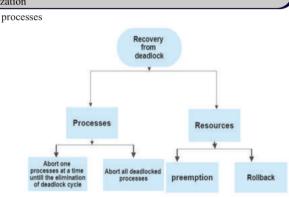
INTRODUCTION-

Data miners basically use some basic key techniques for mining .Those techniques are Association, clustering, classification, data cleaning, data visualization, machine learning, prediction, neural networks, outlier detection, data warehousing. Data mining methods range from pattern-based & anomaly-focused to automated. In ship survival management all the process and resources are check so that each and every person can get the medicine and vaccine in accurate time and need of oxygen is also given to them in a perfect time for their lifetime existence. With the help of various technology like drone we can check the crowd at ship and with machine learning ,deadlock algorithm, design uses various different technical code to check the covid symptoms and its related treatment in the ship and to maintain the transportation, fisheries ,food storage in the ship etc related to travelling of ship everyday throughout the sea in various canal routes. Going through all the historical events of ship survival and disaster management all I can say is that we should take effective steps and responsibilities for proper safety of the ship its crew members also keep knowledge about several weather condition while travelling through ship its causes, forecasting climate details, its routes and various dataset of it to work on it. We can have algorithm and flowchart for execution process to ship evacuation and maritime rescue operation to prevent the effective covid cases and proper multidistributed of oxygen and medicine to the patient, should have multiple patient accommodation area to admit them properly with their immediate requirements so that there is no deadlock condition

Applications & Advantages Of Deadlock

An example of real world of deadlock would be the traffic system, which is going only in one direction we can consider any bridge as a resource so, if deadlock happens in that time if one vehicle backs up (Rollback condition) then many vehicles have to backed if a deadlock situation comes, so in this case starvation is possible. So starvation is a situation where all the low priority processes get block and high priority process executed first. Every deadlock always has starvation. There are several advantages of deadlock it is a very convenient method when applied to all resources whose state can be saved & restored easily via compile time checks, it work very well for processes which perform a single burst of activity & problem can be easily solved in system design. It is basically an infinite process. We can use the banker's algorithm for implementing deadlock condition & also we require many cycles for deadlock condition.

Also we have to check the circular wait condition which requires every process request for the resources in increasing order then checking for hold & wait condition in which processes must stopped from holding single or multiple resources while simultaneously waiting for one or more others & to check mutual exclusion which allows current higher priority tasks to be kept in the block state for the shortest time possible. A deadlock can easily be detected by the resource scheduler to keep track of all the resources which are allocated to different



Working & Updates

Recently in news there was lots of fisheries crisis are mentioned in the market. So keeping attention of all the fishes also shipping is to be done so that under sea water there should be no harm and carbon content in the atmosphere. In shipping various details of the crew members are checked and their covid and quarantine condition, vaccine dose, need of oxygen etc. In this research paper, the main aim is to maintain the deadlock condition of all the passengers in the ship & for this the following processing needs to be done firstly we have to collect all the raw dataset from the papers in which we will work & implement it according to our needs, requirement we built flow chart of the diagram flow process of the model. Basically we use iterative model here for checking the deadlock so that the condition will check simultaneously, algorithm is the banker's algorithm in which I have implemented my research with suitable parameters & values needed for calculation like maximum process, needs, availability, duration of process etc in which the multidistributed oxygen is to be provided to each patient & needs of the people etc with proper communication of the crew members of the passengers so that we can able to check the deadlock situation in any such type of crisis or for specially during covid pandemic and coding is implemented in basically any suitable language, unit testing is done for all the sub modules with suitable verification method according to our suitability and validation of the process & database for proper storage of the data & information in appropriate manner.

Paper Reviews

The COVID-19 crisis has produced a shock to economic activity, social interactions, work organizations, and citizens everyday lives in most countries in the world. China, The European Union, the united states & other top emitters have been significantly effected by the crisis[1]. Owing to the lack of any concrete treatment strategy , social distancing has been identified as the best possible defence strategy against the COVID-19 pandemic at the time of this writing paper[2].maritime search & rescue(SAR) decision are the most

important part of maritime SAR emergency response plans are still mostly obtained through a combination of drift prediction models and SAR experience [3]. Aim of this research is thereby to conduct exploratory data analytics to excavate different knowledge existing in available dataset and to perceive the impact of every field with respect to the passengers survival by the use of "survival" field analytics in between each field of the dataset[4].many may consider the major problems confronting a survivor at sea are a lack of water or food. These views are based on the attention devoted by the media to some of the more epics survival voyages that dominate the headlines from time to time.[5].Active monitoring of transverse stability in fishing vessels is paramount due to its significant incidence in operational accidents[6].Under the influence of strong earthquake, heavy rain, and changes in the reservoir water level, the rock & soil of reservoir are prone to landslides and the movement of landslides-generated tsunamis[7].Efficient & safe ship evacuation strategy plays a critical role in protecting passengers lives when ships encounter accidents[8]. An algorithm to detect deadlock in concurrent message-passing programs even though deadlock is inherently noncompositional and its absence is not preserved by standard abstractions, our framework employs both abstraction & composititional reasoning [9]. The purpose of this information paper is to update information on the impact of the COVID-19 pandemic on the fisheries and aquaculture sector[10]. The pandemic has resulted in not only widening the wealth inequalities but it has also exposed the socioeconomic vulnerabilities and the way the social protection system has crumbled[11].

T	A local cost	COMPANY 11	symptoms.

Most Common Symptoms				
Fever	\$7.9%			
Dry Cough	67.7%			
Fatigue	38.1%			
Sputum Production	33.4%			
Less Common Symptoms				
Shortness of Breath	18.6%			
Myalgia / Arthralgia	14.8%			
Sore Throat	13.9%			
Headache	13.6%			
Chills	11.4%			
Rare Symptoms	S			
Nausea	5.0%			
Nasal Congestion	4.8%			
Diarrhea	3.7%			
Hemoptysis (coughing up blood)	0.9%			
Conjunctival Congestion	0.8%			

[2]

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CONCLUSIONS

Here I can conclude that for ship survival we can try to easily facilitate all the necessary condition checking routes of ship, climatic condition, food facilities, transportations etc deadlock can be seen in an instance like there is demand of medicated oxygen cylinder to a particular person but that much amount of oxygen is hold by another person or patient so in this type of case we can arrange more oxygen cylinders in a multi distributed system for patient supply and keep all the communications ready for supply of medicine and appropriate dosage of vaccinations and its record keeping in database.

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