- 1. Hotel Management System
- optimizing various aspects of hotel operations to ensure guest satisfaction, efficient use of suspensions and profitability. The problem inducts managing notel mooms, staff, innertary, bookings austones revues, and financial reporting. The main challings is to hotalize the needs of guests and the notel's operational requirement while mainmixing runners and minimizing costs.

 John specific produces that may anize in hotel management includes overbooking tenents mand, maintained the cultimate good is to deliver exceptional customer since while maintaining exceptional customer since while maintaining surfaces business modul.

• SRS

1. Introduction:

- 1-1 Purpose To clearly document and define functional and non-functional rear by ensuring effective bold mignet serves as roadmap for development that can improve the operations which will their infrance the guest experience.
 - function as smooth as possible.

 Development time depends on how complix
 the monegement system is and sexe of

 system
- 1.3 Ourniew: Application is developed to optimize hotel operation, leading to

incucased efficiency, improved quest ralesfallion and increased revenue 2 Garral discreption Helps manage and automate narious aspects of operations like room booking, guest ruservalions billing inventory and staff night. Provide a cuttacesed platform for staff to manage efficiently. Builits well be incuasing the managing of numbery efficielly, increasing accuracy, beller ruicees; due to improved quest enpereence, use community would include austonius, noted staff guests, it professorials for implementing and maintaining the system 3. Furtional Requirements · Reservation management - hoom including analability, pricing & confirmation concellation and modify too-· Frond desk operations: chick in and out billing and payments Inventory management staff management Reporting and analytics security and data privary Integration with other cyslins Interface requirements untiface that Is easy should have user friendly to proud to navigale. Should be disigned char hotel's overword

- · Should support multiple languages enabling taff and customers to be comfertable.

 · Hore accessible and integrate with payment gateways to make such the proun
- · should have roteed security system including outherdication
- 5. <u>Performance Requirements</u>
- to actes quickly.
- " System chould be scalable enabling it to handle: increasing volume of data
- errors and doubthine Have a backup of necourty system
- · security and privacy: should have rolered security including encryption and action worked.
- · should comply with reducent laws i regulation
- 6. <u>Design constraints</u>:

 Hardwar constraints: system has to be modely integrated within the already existing hold infrastructure
 - · softwar dimitations: constraint of the amount of data that can be processed or stored, the speed of data
- · Time constraint : cou't take mulleple years
 to develope of implement
 " remaits; must adhere to security.
 - regulations and prolect guests dates

4: Non- functional cultings. restormance: should be able to handle large. at all-lines

succeeding: system should be never of prolit sensitive dala form theft. · Scalability: should be able to scale up of down · Maintainalistity: easy to matulain 8. Preliminary schedule and Budget: Schedule: - (visibuboutivi Planning: 15 days Development phase: 6 months, 15 days Testing? 2 motelles and mineral De playment: 3 weeks Budget: melget primary best trous miles mo Hardway \$ 100,000 - \$150,000 Training the \$45,000 \$49,000 walnut war Personel \$600,000 & proving love where 13. Curview - application in during . 81 equite the cord proceeding leading to verie efficient and readle substitution gournal buscuplian: A ruche positioning inglies is on essential evidens who will resolvent to Joak nous one connected payment sylven. there so leavely two lamppe mills premare