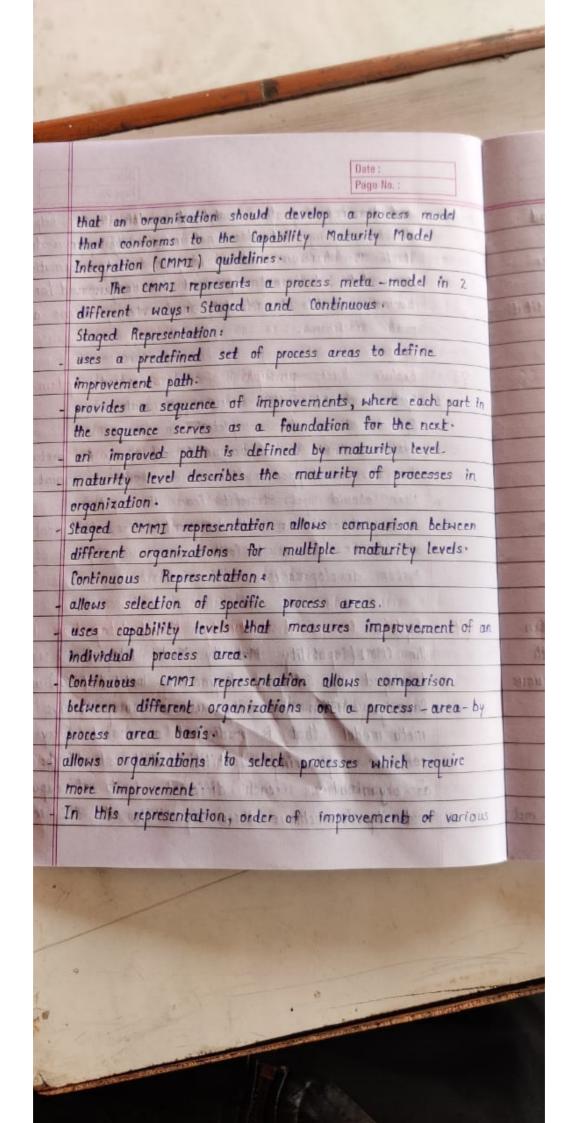
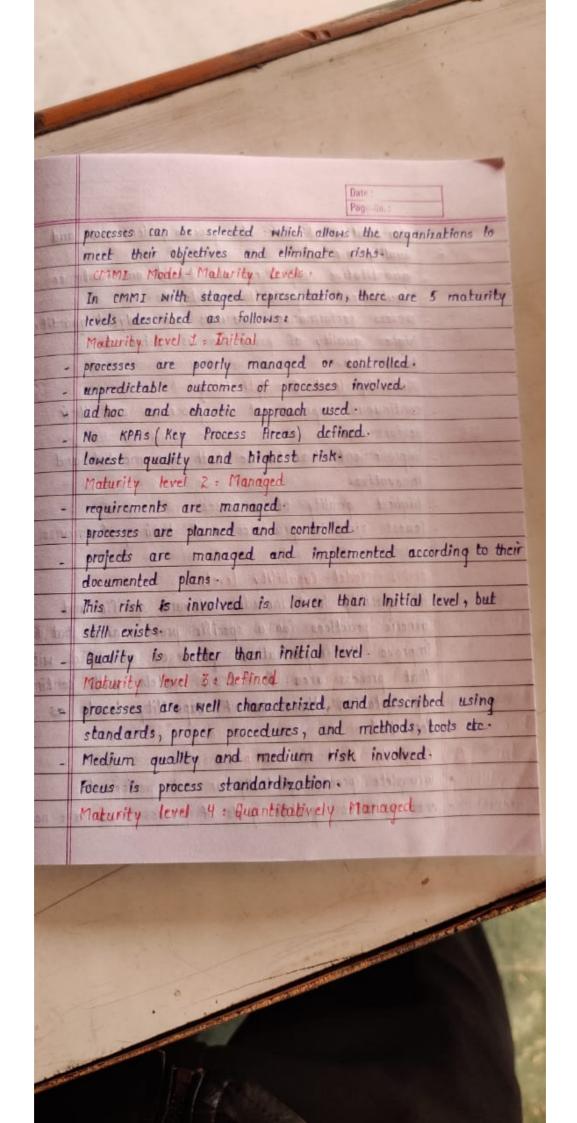
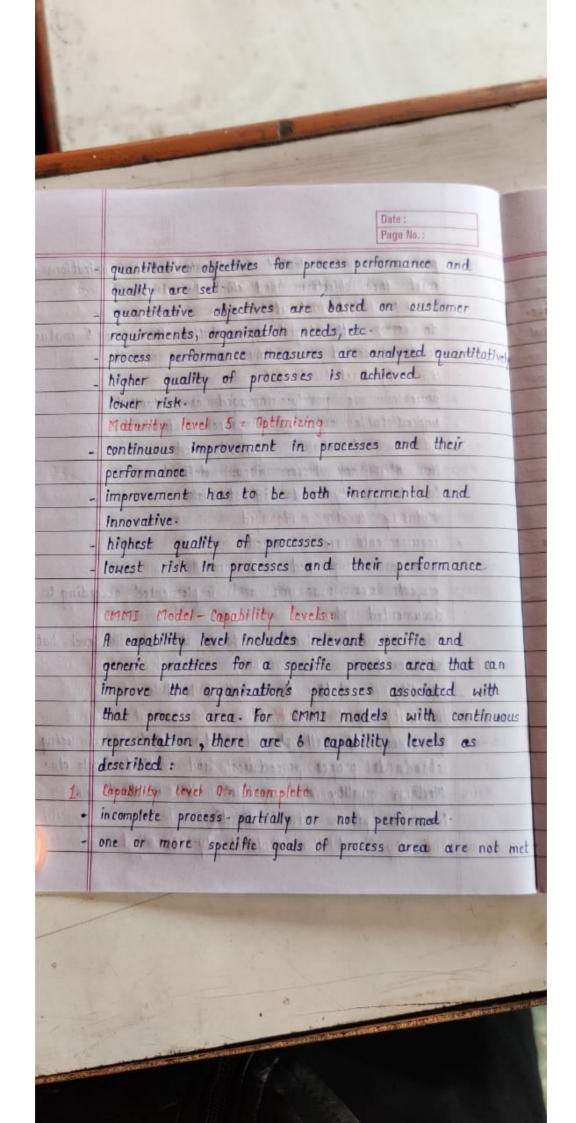


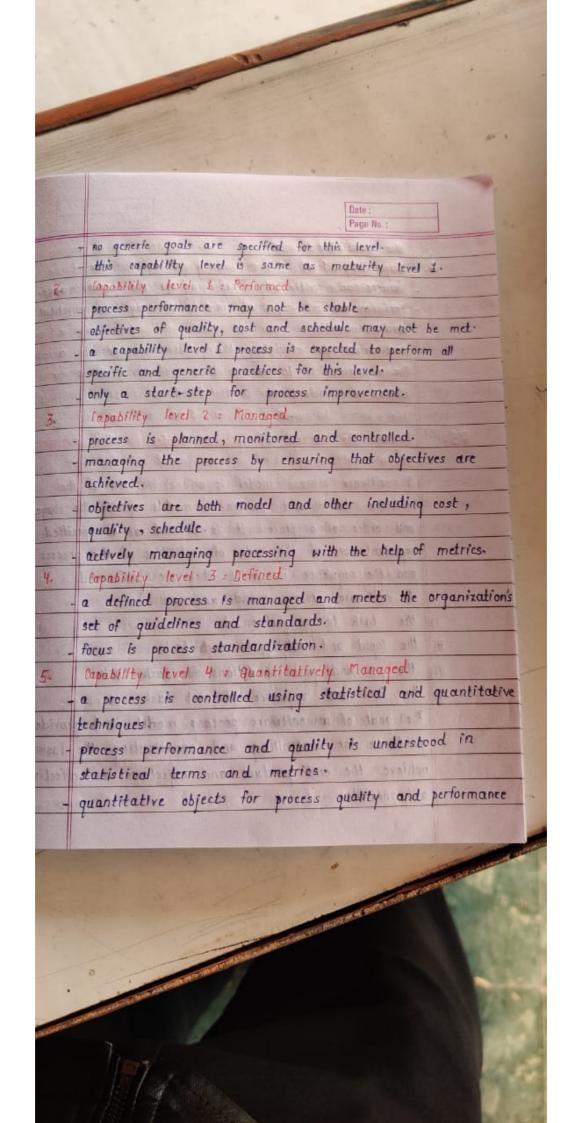
Date: Page No.: Management : Management covers the planning, control and administration of the operations of concern. The top management handles planning, the middle management concentrates on controlling, and the lower management is concerned with actual administration. Information: Information in MIS means the processed and the title data that helps the management in planning, controlling ng and operations. Data is processed i.e., recorded, summarized, compared and finally presented to the management in the form of MIS report System: Data is processed into information with the help of a system. A system is made up of inputs, processing, output and feedback or control. Thus MIS means a system for processing data in order to give proper information to management for performing its functions. and the first one detines which adopted the total and the la Decision Support System (DSS): Decision Support Systems are interactive software-based systems intended to help managers in decision-making by accessing large volumes of information generated planned from various related information systems involved in organizational business processes, such as office automation system, transaction, processing system, de DSS uses the summary information, exceptions, pattern

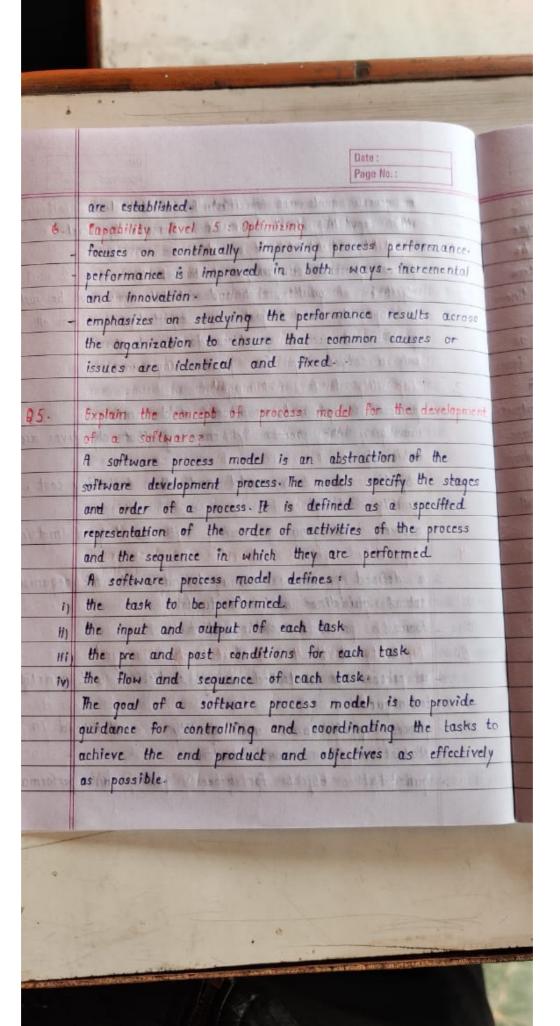
Page No.: and trends using the analytical models. A Das helps in decision-making but does not necessarily give a decision Itself. The decision makers compile useful information from raw data, documents, personal knowledge, and for business models to identify and solve problems and make decisions. Explain basic principles of a successful system 1. System should fulfill user requirements 2. System should be completed in time. 3. System should be maintained effectively for sustained use. For this to happen, system itself should be maintainable. 4- User should get benefit from the system. 5. System should be well-documented 1-e, documentation should be a must feature at every phase of system development. 84. Explain Command Maturity Model Integration in detail The CMMI (Capability Moturity Model Integration) was developed by Software Engineering Institute (SEI) at Carneige Mellon University as a comprehensive process meta-model that is predicated on a set of system and software engineering capabilities that should be present as organizations reach different levels of capability & maturity. To achieve these capabilities, the SEI contends

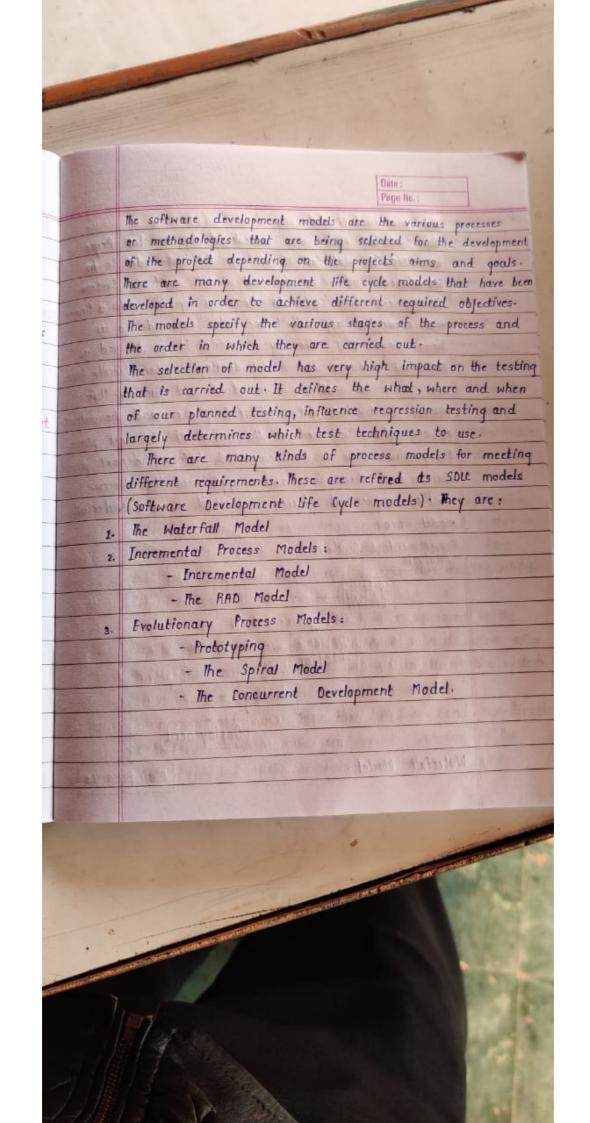


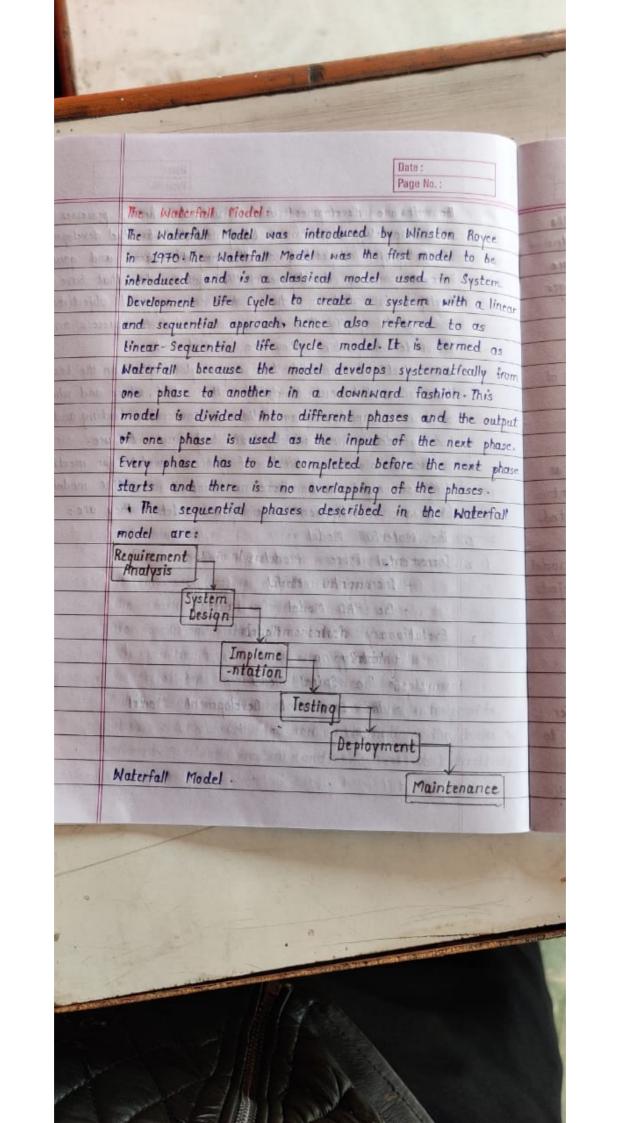


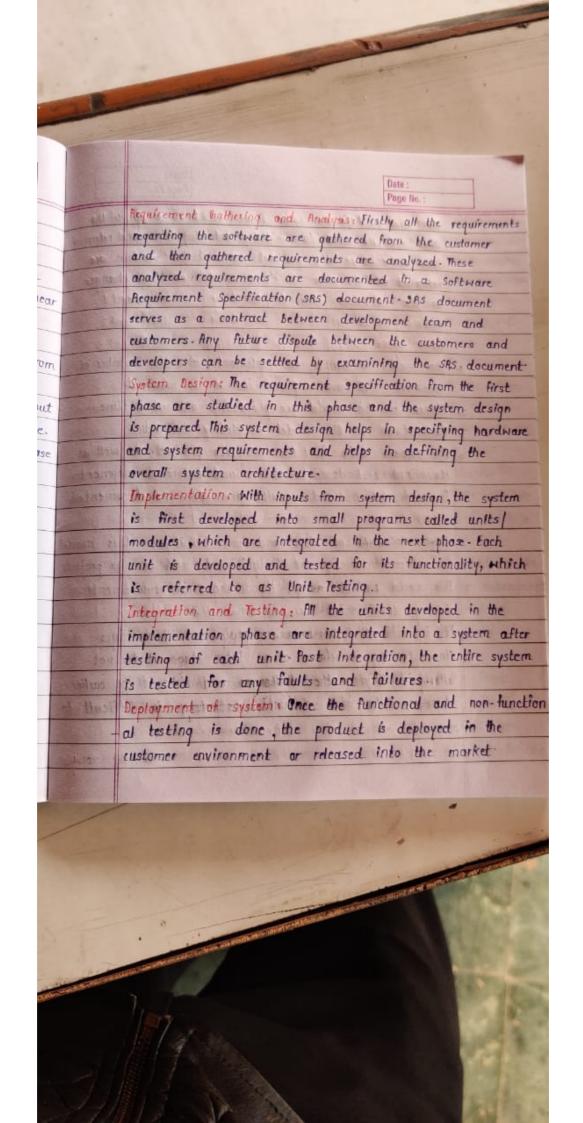


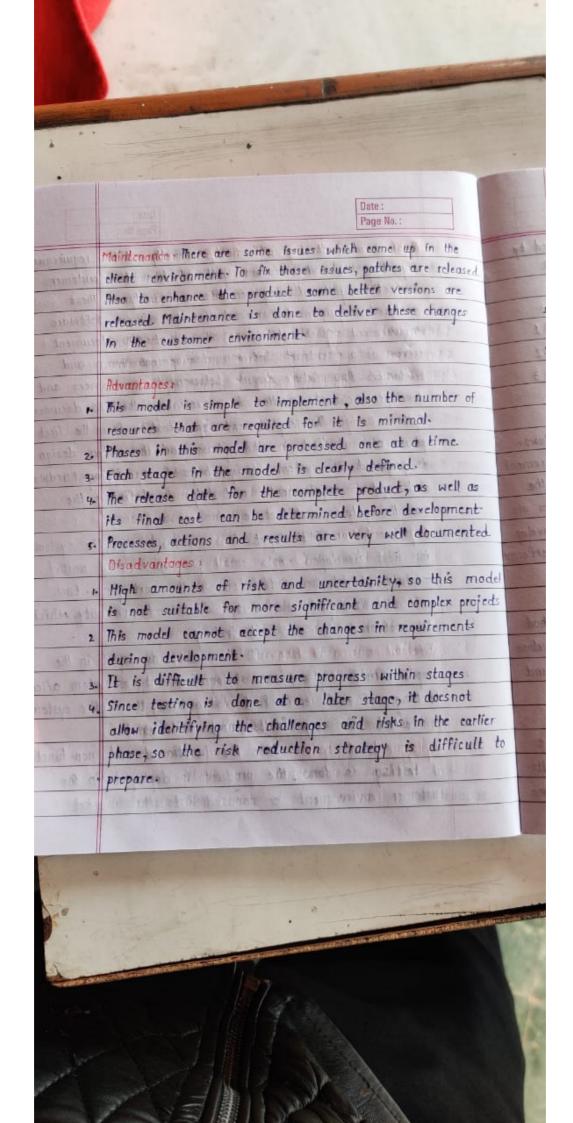


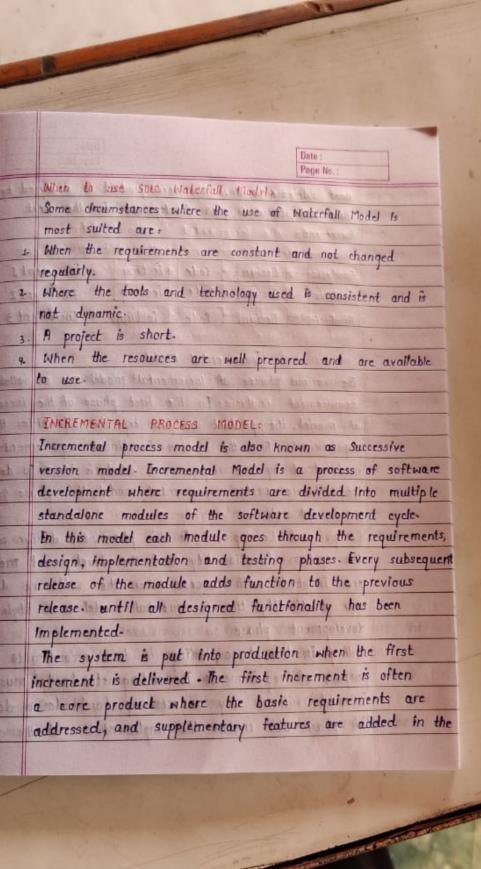




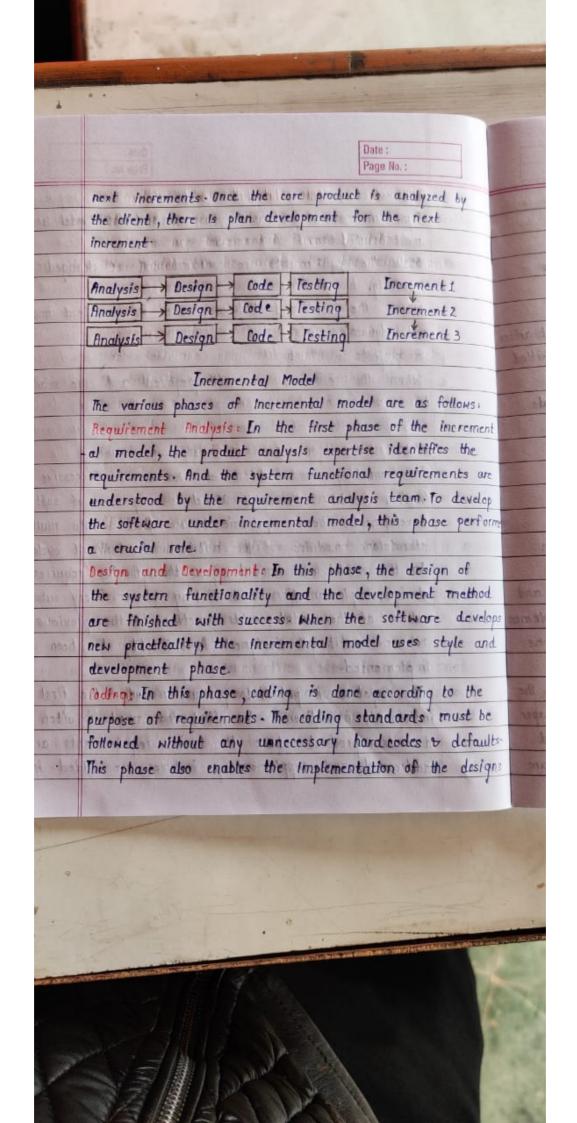




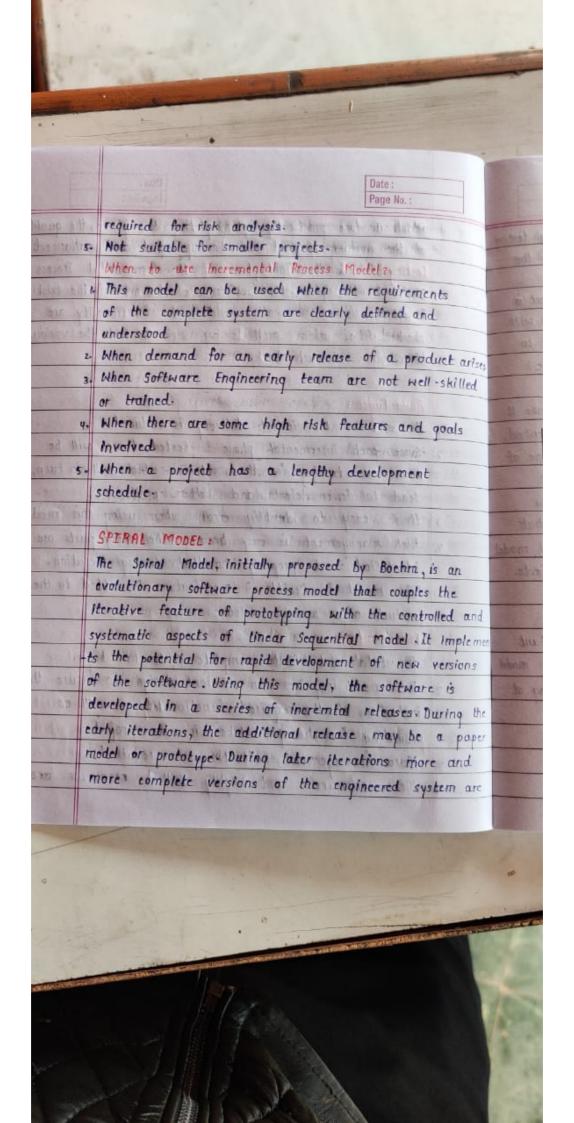


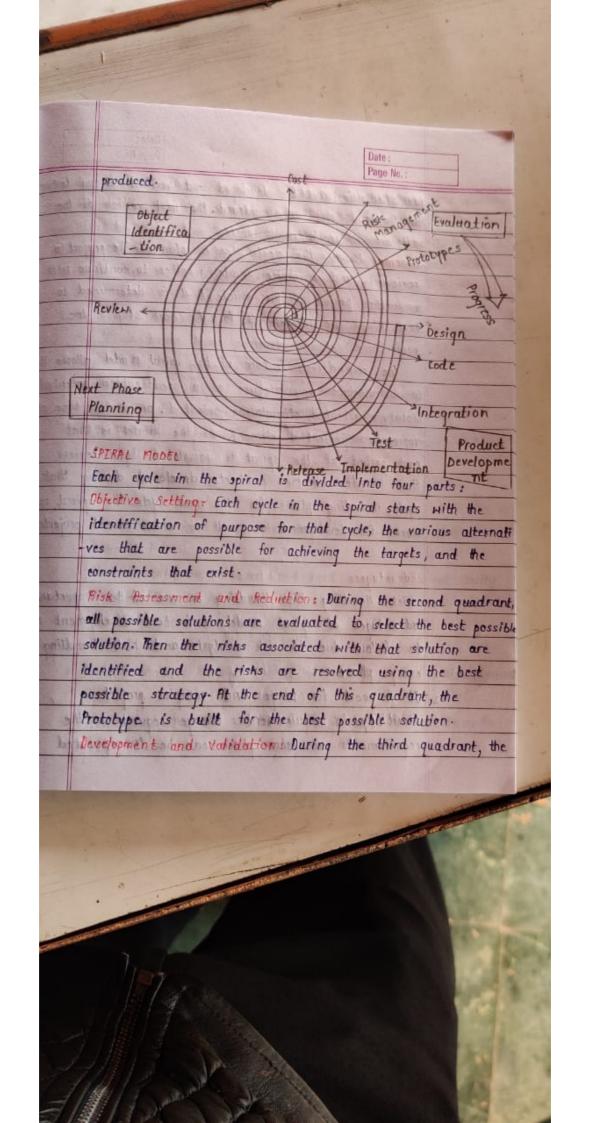


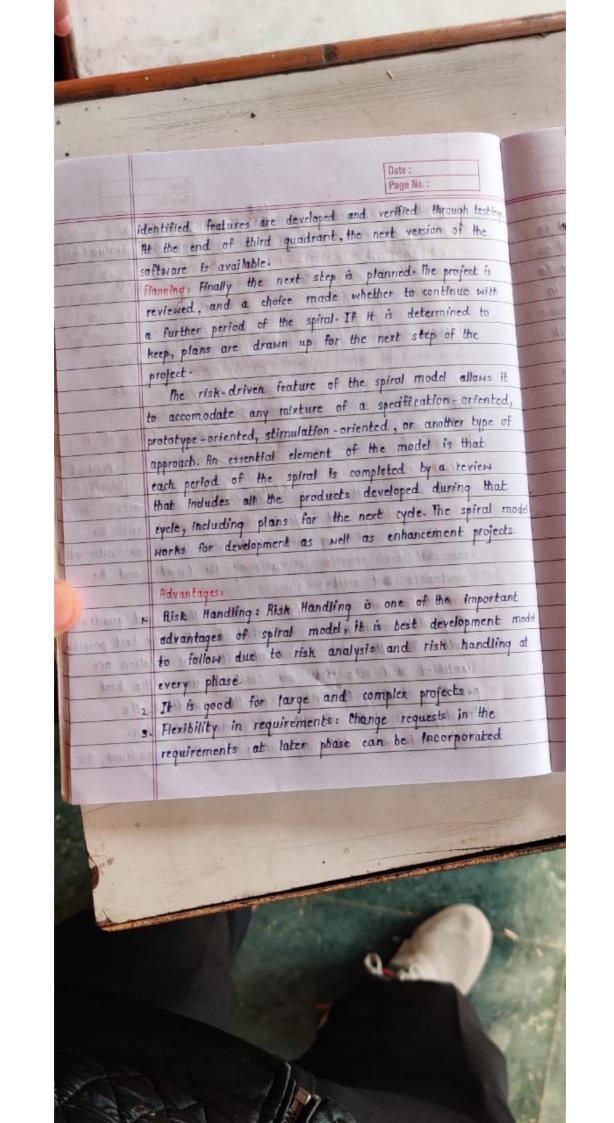


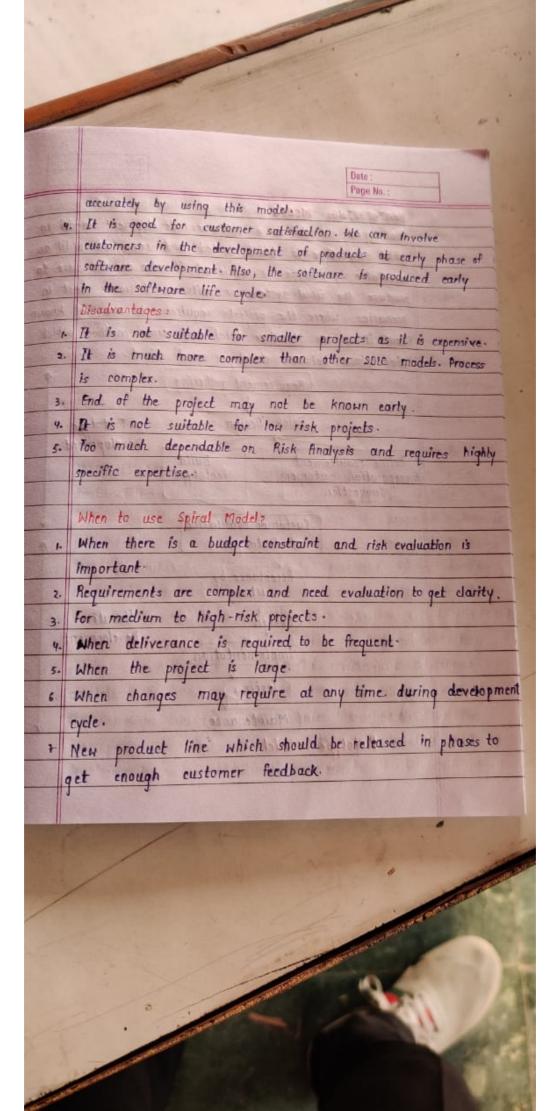


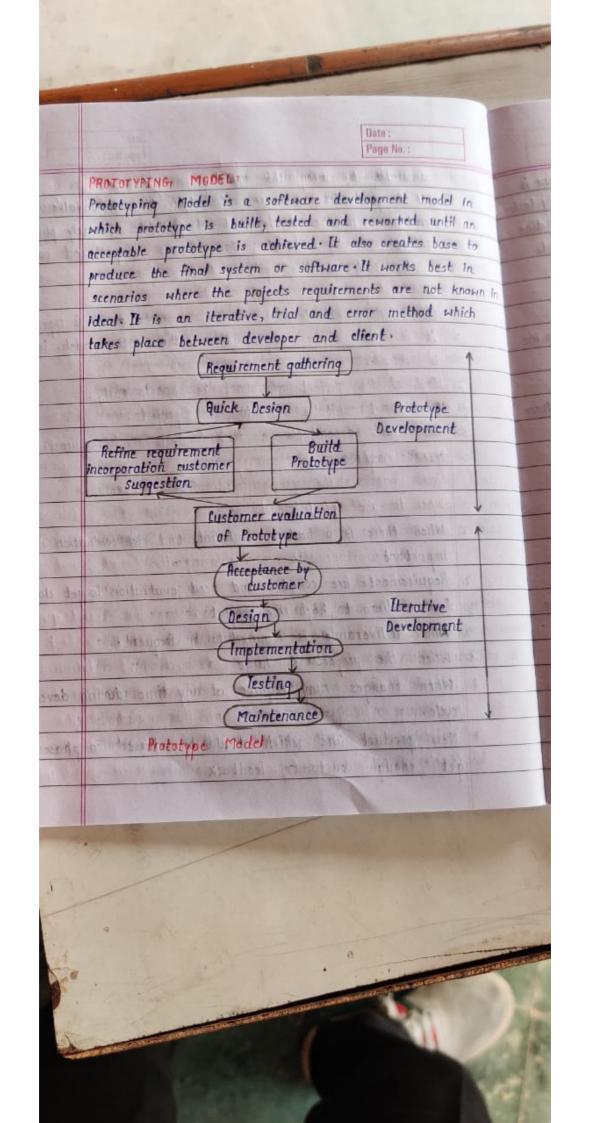
Date Page No. which is done practically. By completing this phase, the quality of the working product can be upgraded and enhanced Testing This is the final phase of the Incremental Process Model In this phase, the performance of each of the existing functions, as well as other additional functionality are checked. Also, various methods are used to test the various behaviours of each task. net me knows and bear neck not not Advantages 1 . The cost of the initial delivery is reduced. 2. Since each incremental phase is tested, there will be numerous testing for the software which will, in turn, lead to fewer defects and better results 3. It is easy to identify errors when using this model. 4. Risk management is easy because the risky parts are identified and properly handled during iteration. 5. This model is flexible. A new feature is added to the product after a new release. Disadvantages to the mean former at the mean . The total cost of the complete system is high. 2. The model requires an efficient design to ensure the inclusion of the required functionality as well as providing for changes later in the project. 3. More management attention is required, 4. More resources and highly skilled resources are







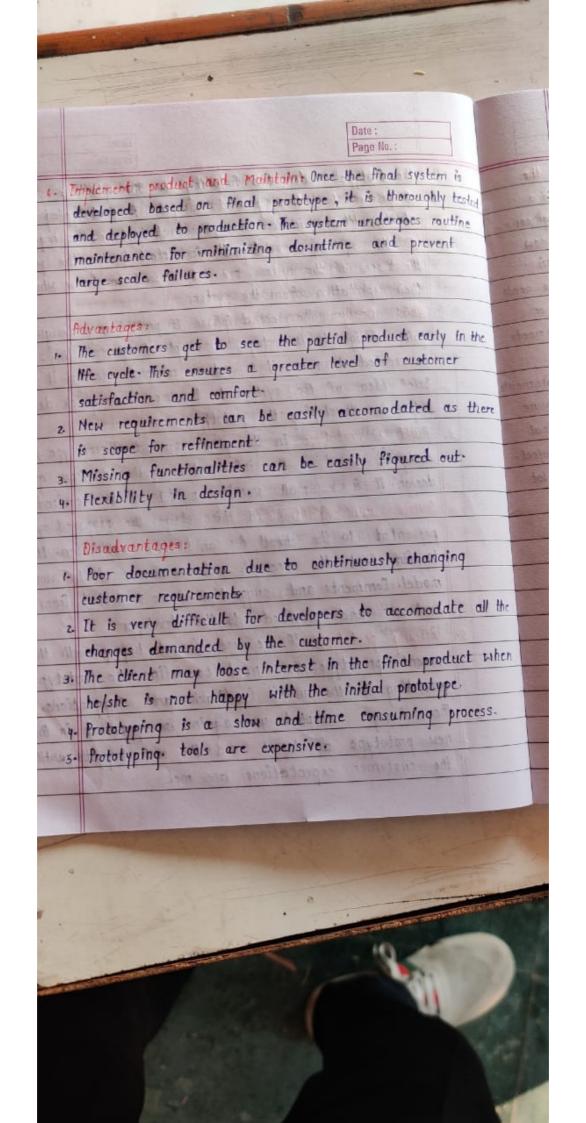


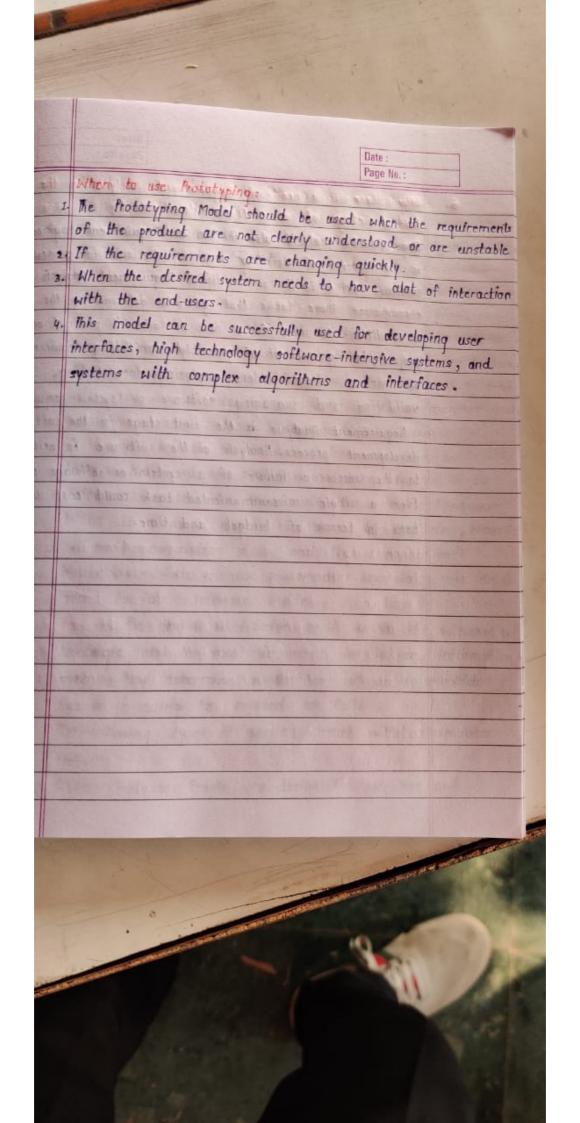


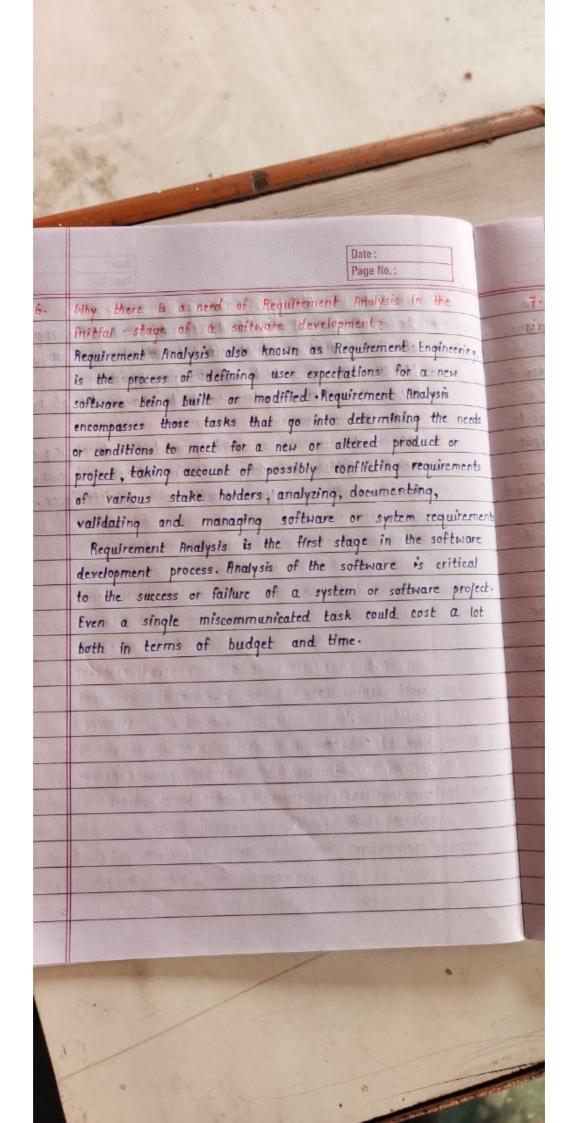
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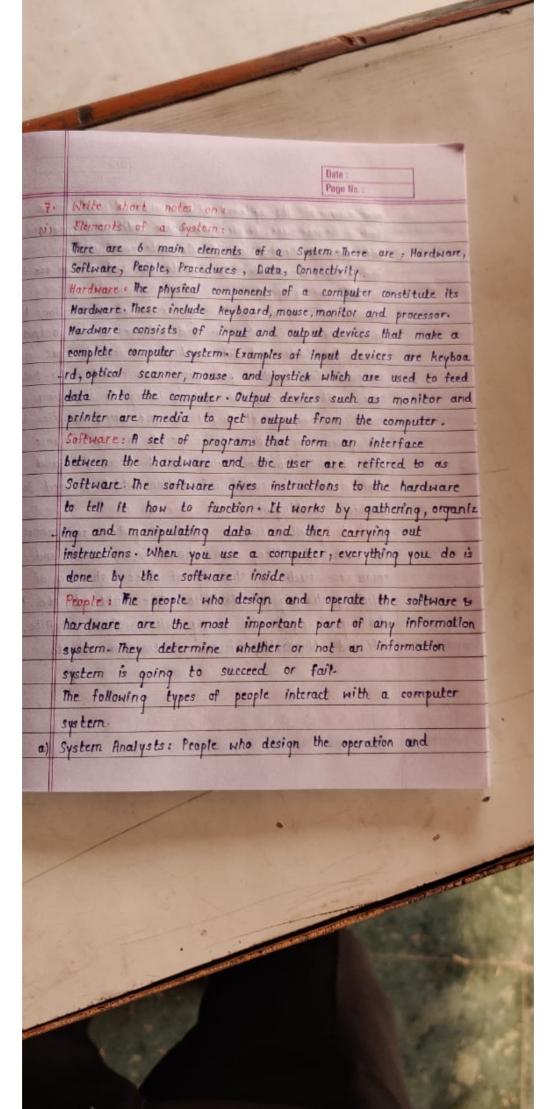
Page No. The Protype Model has following six SDLC phases: Requirement Grathering and Analysis A prototyping model starts with requirement analysis. In this phase, the requirements of the system are defined in detail. During the process, the users of the system are Interviewed to know what is their expectation from the system. Aulick Design : The second phase is preliminary design or a quick design. In this stage, a simple design of the system is created, however, it is not a complete design. It gives a brief idea of the system to the user. The quick design helps in developing the prototype Build a Prototype: In this phase, an actual prototype is designed based on the information gathered from quick design. It is a small working model of the required system Initial user evaluation: In this stage the proposed system is presented to the client for an initial evaluation. It helps to find out the strength and weakness of the working model. Comments and suggestions are collected from the customer and provided to the developer. Refining prototypes If the user is not happy with the current prototype, you need to refine the prototype according to the user's feedback and suggestions. The changes accepted are again incorporated in the new prototype developed and the eyele repeats until the customer expectations are met

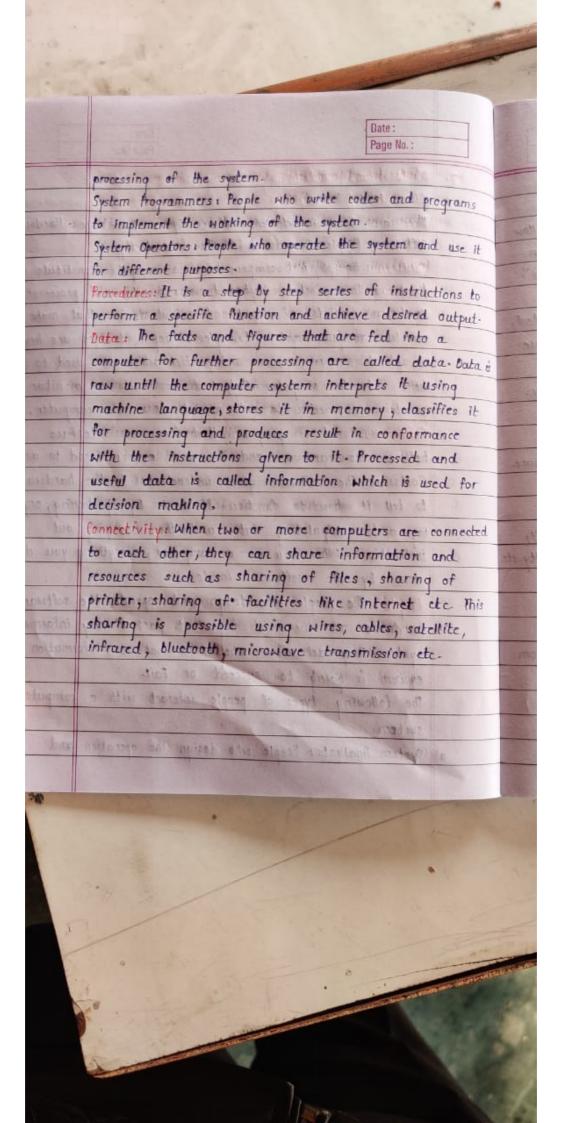


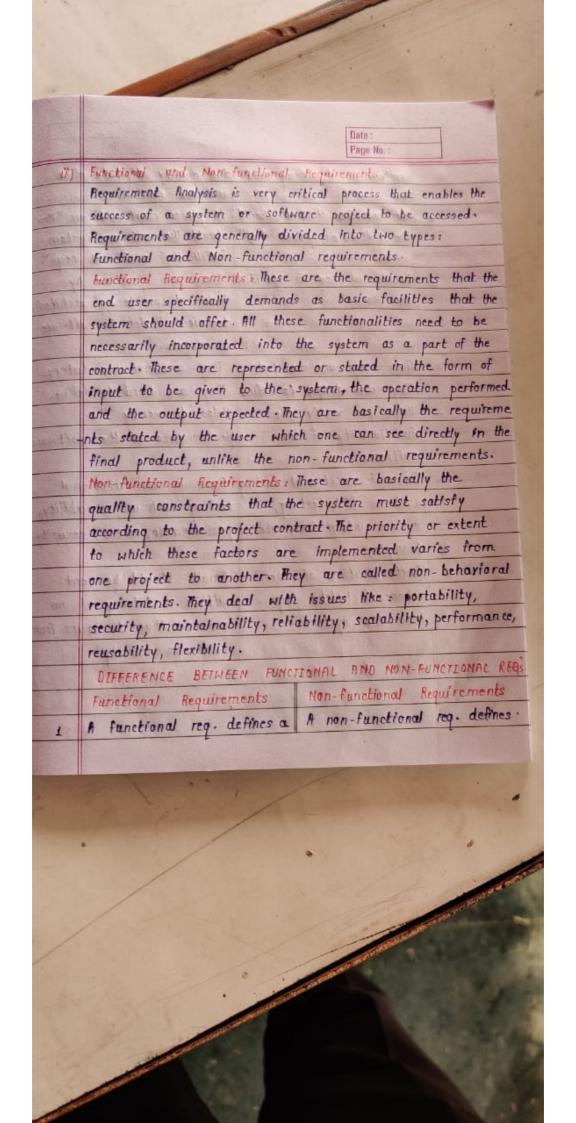




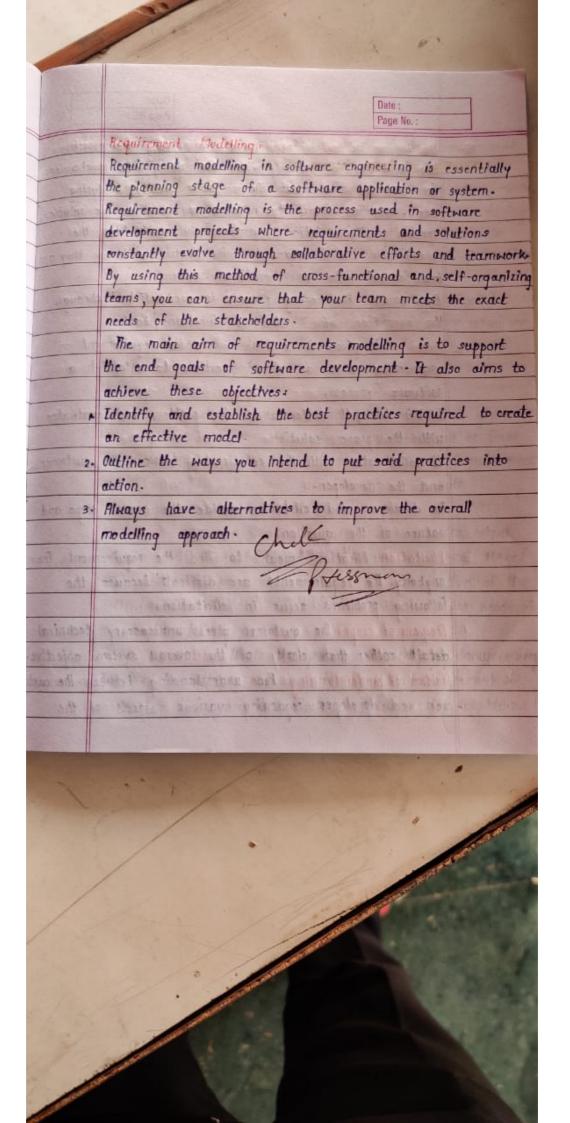






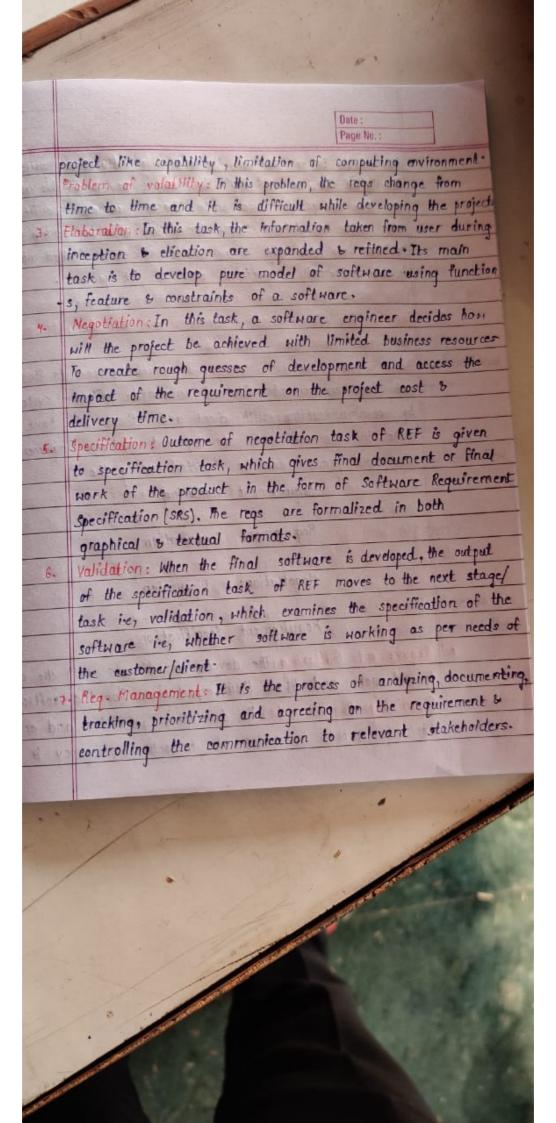


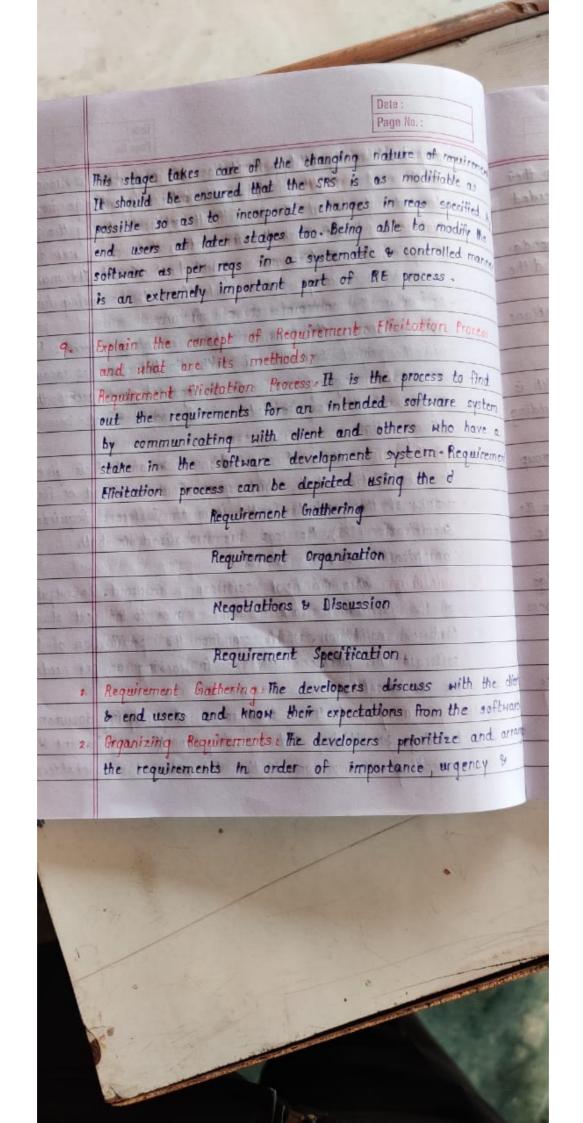
Date: Page No.: the quality attribute of a system or its components software system. Dall march bother hard It specifies " What should It places constraints on "How the software system do?" should the software system fulfill the functional reg's". the water of realism 3. Functional reg. is specified these are specified by technical people eq, architect. by User technical leaders & software and there and the water of the ties developers. meeting all along 4. These regs are mandatory. They are not mandatory. They are hard to define. 5. They are easy to define Helps to verify the Helps you verify the performance of the software functionality of the with the day better that software. There is non-functional 7- There is functional testing testing such as usuability, such as API, testing, performance, stress, security to system integration etc. 8. Example: Emails should be sent Authentication of user within a latency of no whenever helshe logs into the system. greater than 12 hours from such an activity. while the first the last the state that the standard of the principal deardy will to instruct the definer a to see supplication of

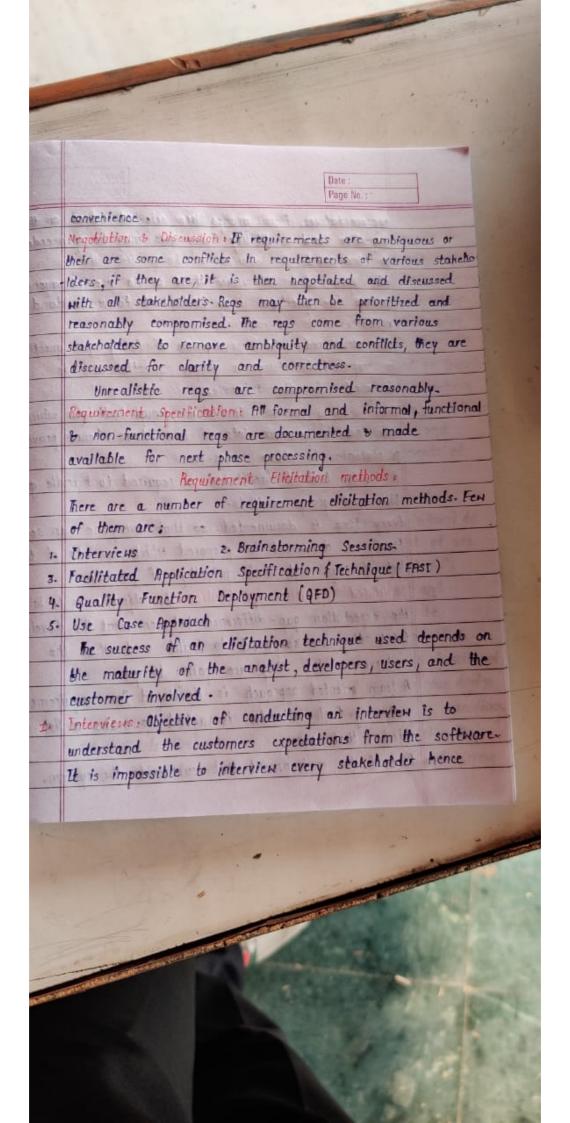


Date: Page No.: Explain in detail Requirement Engineering Promeworks Requirement Engineering provides the appropriate mechanism for understanding what the customer searchs, analyzing need, accessing feasibility, negotiating a reasonable solution specifying the solution unambiguously, validating the specification, and managing the requirements as they are bransformed into an operational system. Requirement Engineering process is accomplished through the execution of 7 distinct functions tasks: 1 Inception Inception is a task where the requirement engineering asks a set of questions to establish a software process. . In this task, it understands the problem and evaluates with the proper solution. Inhance of the state of . It collaborates with the relationship between the customer and the developer. The developer and customer decide the overall scope and nature of the question. 2 Elicitation: Elication means to find the requirements from anybody. The requirements are difficult because the following problems occur in elicitation: Problem of scope: The customer gives unnecessary technical detail rather than clarity of the overall system objective Problem of understanding: Poor understanding between the custo mer and developer regarding various aspects of the

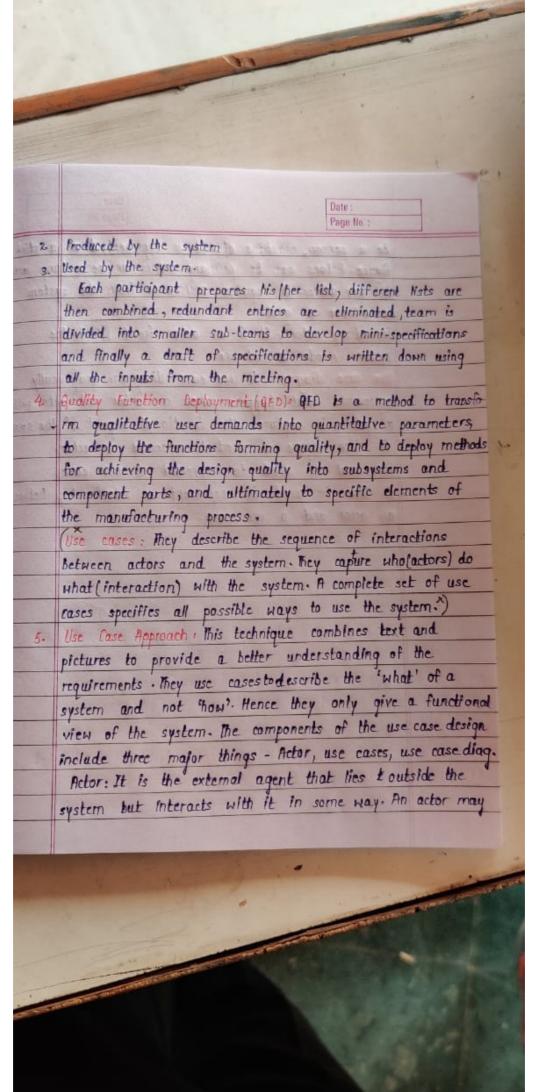








Date : Page No. : representatives from groups are selected based on their expertise and credibility. Interviews may be open-ended or structured. The man of the comment of the comment In Open-ended interviews there is no pre-set agenda. Context free questions may be asked to understand the problem - main eres rethreshoot meligians Aldermona In structured interview, agenda of fairly open questions is prepared. Sometimes a proper questionnaire is designed for the interview-2. Brainstorming Sessions: It is a group technique which is intended to generate lots of new ideas hence providing a platform to share views. A highly trained facilitator is required to handle group bias and group conflicts. Every Idea is documented so that everyone can see it Finally a document is prepared which consists of the list of regs and their priority if possible. Facilitated Application Specification : Its objective is to bridge the expectation gap-difference between what the developers think they are supposed to build and what the customers think they are going to get A team oriented approach is developed for requirements gathering tach attender is asked to make a list of objects that are my second to be to the second a Part of the environment that surrounds the system.



Page No.: be a person, machine etc. It is represented as a stick figure. Actors can be primary actors or secondary actor. frimary actors-It requires assistance from the system to achieve a goal to the state of Secondary actors: It is an actor from which the system needs assisstance. Manh is which have tise case diagram: A use case diagram graphically represents what happens when an actor interacts with a system. It captures the functional aspect of the system . A stick figure is used to represent an actor. · An oval is used to represent a use case. - A line is used to represent a relationship between an actor and a use case. the ourse they describe the requestions of the legisteries beforeen notice and the velene boy capture of factors shattenteraction) with the contens & conclete at of Cared month ou of again allies on the selling thereof the first condition interest and test and and and pleasered in previde a letter presistanting of the rejultements . Hoping for estadescuberalha beha system to the not though stone and never and nive ever of the typhen. The common of the west out to icilade three estar things - helps, use door one one Actors It is the extend again that her toughte the thetend but interacts with it is core no and arter