As with other project management phases, effort estimate is crucial for software projects.These inputs are entered into the framework and undergo mathematical operations; as a result, you are given a new deadline for the project's completion, and the desired price is calculated based on the additional sources you added and developer hours to determine developer hourly costs.Various algorithms for estimating, such as COCOMO (Cost Constructive Model), Putnam's Model, Parametric Based Models, and Analogy Based Models, rely on mathematical models that generate functions for many variables Puntametc.The study's key findings are that inaccurate estimations account for approximately 25% of software project cost overruns, that expert-based estimation models are the most widely used model in Palestine, and that team experience, subject-matter expertise, and requirement clarity all have a significant impact on effort estimation accuracy.After System Testing, Acceptance Testing is the final stage of software testing The risk factor is an input from the triangulation technique's inputs, and this number is derived from it. It indicates the percentage of the project delivery time that has been shortened; for example, adding two developers to the project does not imply that the time has been cut in half.Researchers Rashmi Bubley and Naresh Chauhan focused on the issues with agile approaches and presented a method for precisely calculating the time and cost of producing software.A model based on use case points, expert judgment, and case-based inference approaches was provided by researchers Mahmood, Kama, Azmi, and Ali in an effort to increase the estimation of the prediction accuracy of software development activities.Finding out what approaches and procedures Palestinian businesses employ is a crucial first step in either improving current practices or coming up with fresh ideas on how to support Palestinian businesses in enhancing the effort and cost estimate for software projects.We were so inspired to carry out a case study of Palestinian software development firms in order to learn more about the difficulties faced by ??.technical teams and to broaden our comprehension of how they go about estimating software efforts

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