



Cover page

Project title:InclusiVate..... Academic Year: ...2023-2024.....

Group Members: Mira Bashar Salah Jamous..... Department Name: Computer Engineering

...Asma Tareq Fawwaz Saleh.....

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Project Type **Software** or Hardware (Choose one)

Supervisor Name:

Format:

- Single space, Times New Roman.
- 12 pt,
- Maximum 1 page.

Abstract Body:

Items must be provided in the Abstract:

- Why do you think this project is important? Please explain the significance of this Project in brief.
- In your point of view what are the important aspects that should be covered in the project?
- Objective(s): In your view, please explain the main objectives of the project.
- Methodology: Give a brief outline of the application development process.
- Had this project been done before? Are there any similar applications available today?
- **Note:** Please deliver this abstract early to ensure that your Project has been approved by the department's projects committee. **Registration will not be done without this approval.**



Project's Abstract:

Autism spectrum disorder (ASD) is a multifaceted neurodevelopmental condition that profoundly affects individuals' social interactions, communication, and behavior. With the increasing prevalence of autism, there is a growing demand for digital solutions to assist parents and caregivers in navigating this complex journey.

In the realm of autism-related applications, existing offerings have made notable progress, but they often focus on addressing specific aspects of support. Noteworthy examples include applications like the "Autism Speaks Autism Response Team (ART) App," "Autism Tracker Pro," and "Proloquo2Go," each excelling in their respective niches.

This research project aims to build upon these foundations by introducing a unified mobile and web application designed to cater to the comprehensive needs of parents and caregivers during the early stages of autism diagnosis and rehabilitation. The application encompasses a diagnostic module to aid parents in assessing their child's potential position on the autism spectrum, while emphasizing the importance of consulting specialists for a formal diagnosis. Post-diagnosis, the platform offers access to a wide array of specialized resources, including rehabilitation centers, audio and speech therapists, and psychiatrists, all tailored to the child's assessed position on the spectrum. Going beyond existing solutions, it facilitates the integration of autistic children into inclusive educational environments by connecting parents with shadow teachers who provide personalized support within mainstream schools.

What sets "InclusiVate" apart from existing applications is its recognition of the significance of a comprehensive, user-centric solution that integrates diagnostic assistance, access to specialized care, and a supportive community. By amalgamating these elements, our goal is to provide a more holistic and user-friendly tool for parents and caregivers, ultimately enhancing early intervention, improving the quality of life for families affected by autism, and fostering inclusivity in education.

We firmly believe that this research project will make a substantial contribution to the digital support ecosystem for individuals and families grappling with autism.

