**Mansoura University**



**Faculty of Computers and Information**

**Department of Computer Science**

**Project Proposal**

# Arabic Title

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##### English Title

### **Autism finder**

### **Submitted by:**

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Project Abstract:

Rett Syndrome is a severe X -linked dominant neurodevelopmental disorder that typically affects girls and is characterized by regression of spoken language, loss of hand use, problems with ambulation, and development of repetitive hand stereotypies . RTT is typically caused by mutations in Methyl -CpG -Binding Protein 2 (MECP 2) , a gene encoding a protein involved in regulation of gene expression . In addition to the cognitive and motor abnormalities present in RTT, affected people also show autonomic dysfunction, with breathing and heart rate control irregularities . Boys with mutations in MECP2 exhibit more severe autonomic dysfunction with marked breathing and heart rate abnormalities that result in death within the first year of life .

Project Objectives:

By detecting if the gene (MECP2) mutated or not by comparing the referenced gene with the input and the result will be positive or negative.

Who are the project **competitive**? and how will your project be **different**?

Simple and useable interface for mobile application .

Tools, Hardware and Software Resources:

**Tools :- PyCharm - Android Studio - Adobe XD**

**Software:- Flutter – python – API - Flask**

SCHEDULING PHASES:

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| **From** | **To** | **Activity** |
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References:

**NCPI - Wikipedia**