

## ALGORITHM

**SUPERVISOR :**

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**GROUP :**

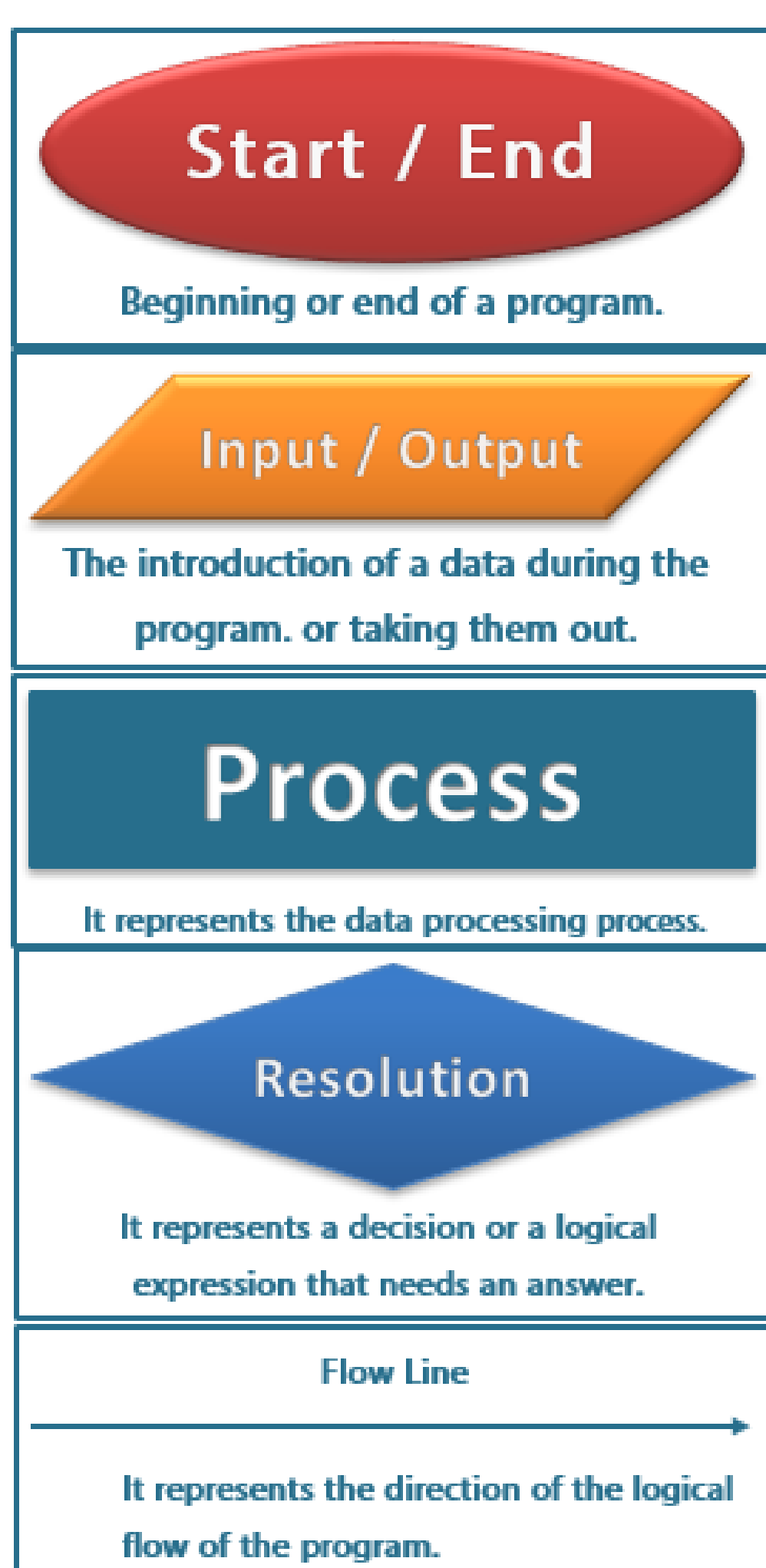
Mohammad, et al.

### INTRODUCTION :

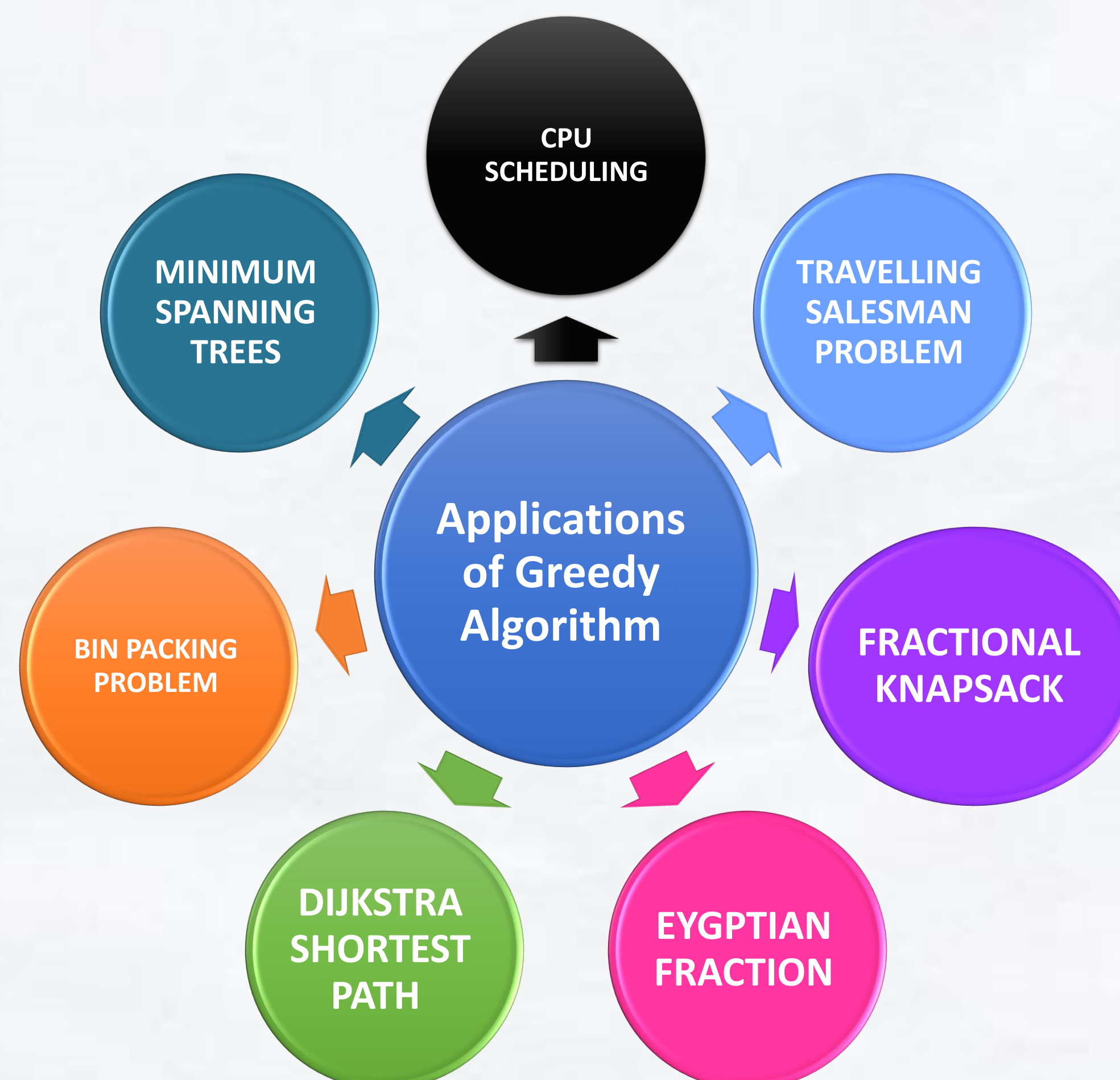
It is a procedure or formula for solving a problem, based on conducting a sequence of specified actions. A computer program can be viewed as an elaborate algorithm. In mathematics and computer science, an algorithm usually means a small procedure that solves a recurrent problem. Algorithms are widely used throughout all areas of IT (information technology). A search engine algorithm, for example, takes search strings of keywords and operators as input, searches its associated database for relevant web pages, and returns results.



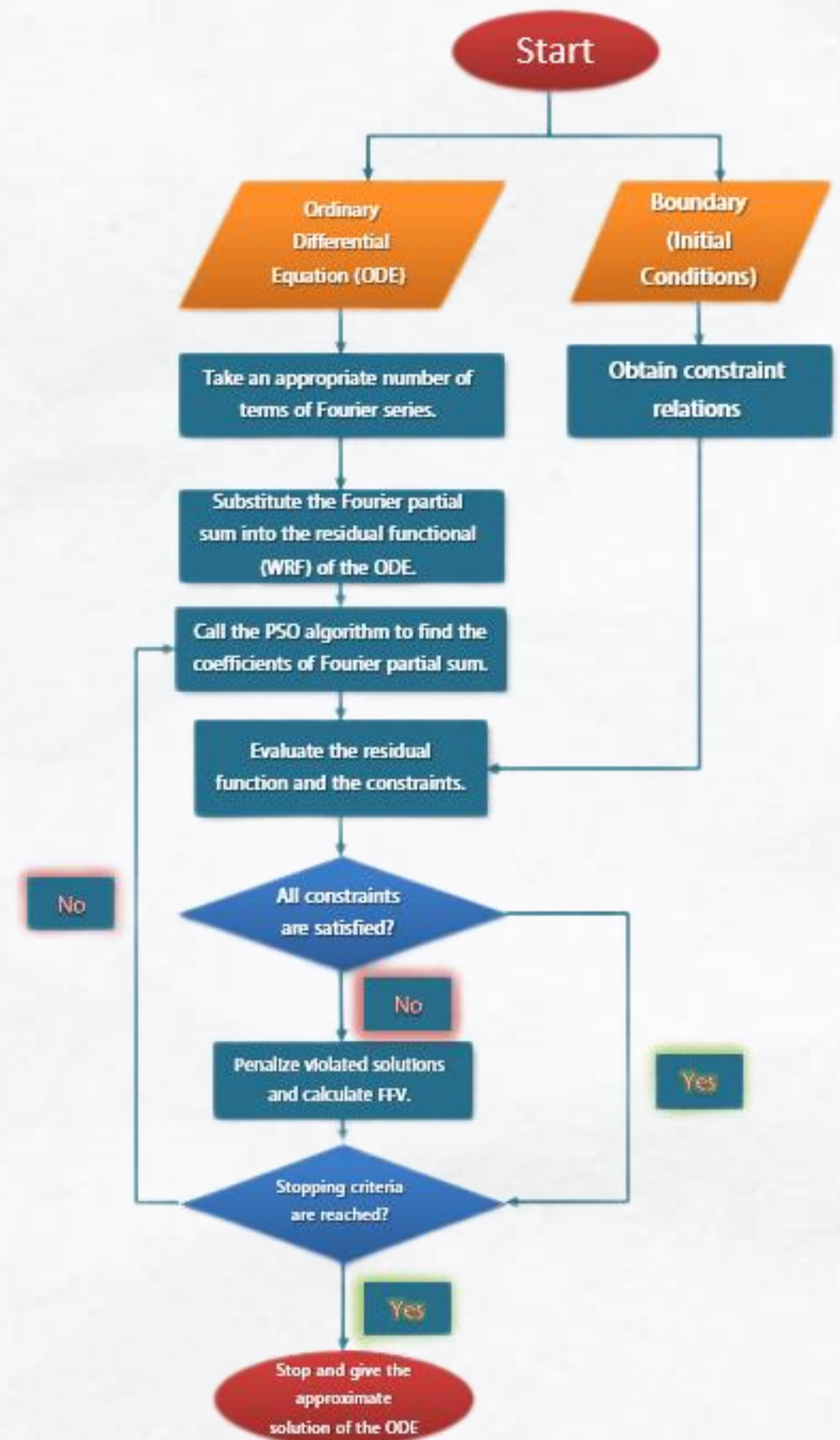
### FLOW CHART OPERATORS :



### APPLICATIONS :



### SOLVING ODE IN ALGORITHM :



### TERMS :

**ODE : ORDINARY DIFFERENTIAL EQUATION**  
**PSO: PARTICLE SWARM OPTIMIZATION**  
**FFV: FITNESS FUNCTION**  
**WRF: WEIGHTED-RESIDUAL FUNCTION**

### YOUTUBE ALGORITHM :

