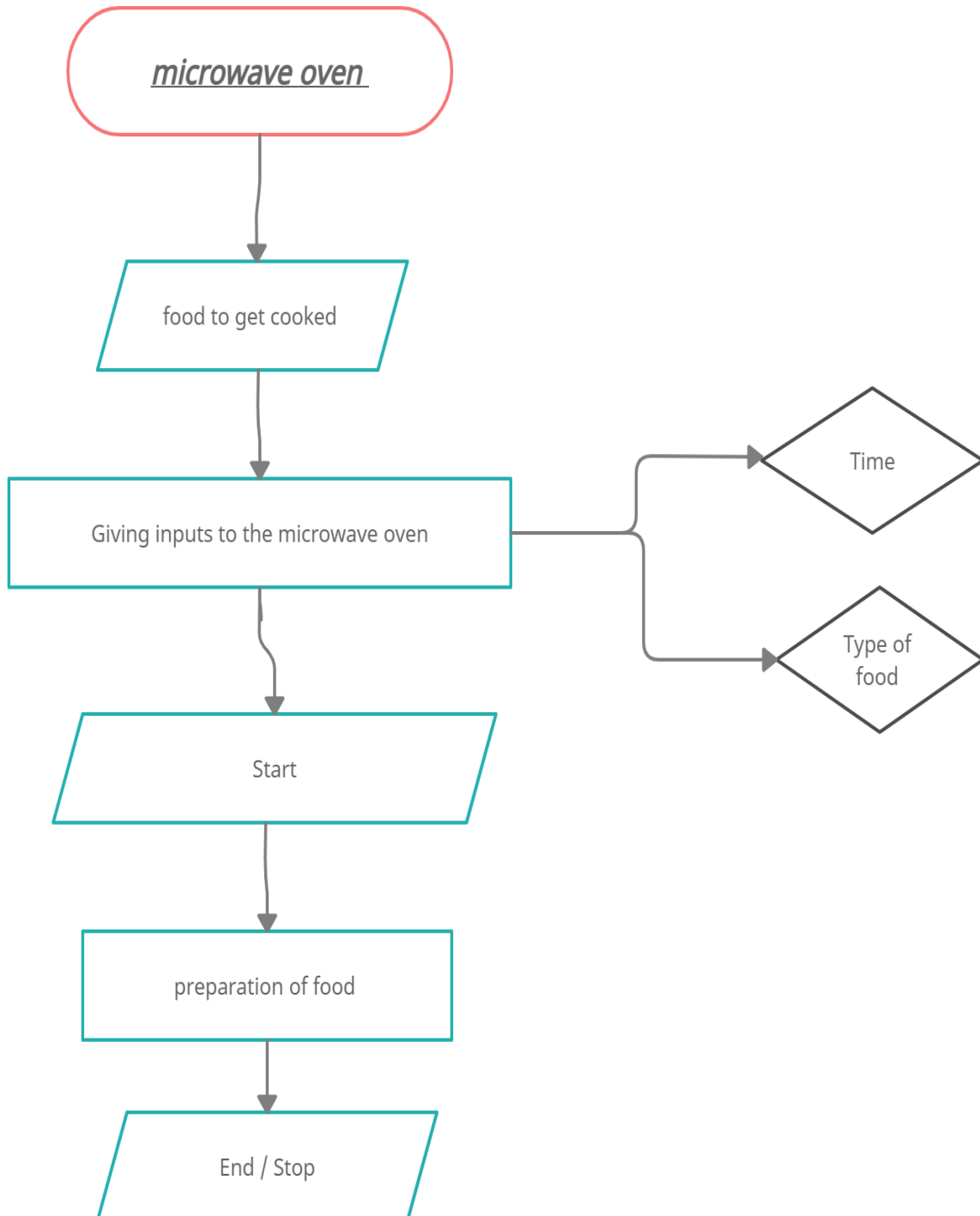


CASE STUDY

Study on an existing working module of Microwave oven.

- A microwave oven (commonly referred to as a microwave) is an electric oven that heats and cook food by exposing it to electromagnetic radiation in the microwave frequency range.
- This induces polar molecules in the food to rotate and produce thermal energy in a process known as dielectric heating.
- Microwave ovens heat foods quickly and efficiently because excitation is fairly uniform in the outer 25–38 mm (1–1.5 inches) of a homogeneous, high water content food item.

Block diagram 1



Block diagram 2

