We Claim:

1. A saddle type vehicle (100) comprising:

   an internal combustion (IC) engine (101), said internal combustion (IC)

   engine (101) comprising a crankcase (208) to accommodate internal

   components of said IC engine (101) including a V-belt type continuously variable transmission (CVT) mechanism to vary torque and speed of the saddle type vehicle (100);

   a crankcase cover (150) enclosing said crankcase (208);

   wherein,

   said crankcase cover (150) comprises:

   an air intake structure (200) disposed on said crankcase cover (150) for directing air to cool the CVT mechanism;

   said air intake structure (200) comprises a hood cover (301); and

   said hood cover (301) comprising an air inlet opening (301a), said air inlet

   opening (301a) facing outwards in said saddle type vehicle (100) width

   direction, and wherein said hood cover (301) is configured to provide a U-shaped serpentine path for air entry before entering inside the crankcase (208).

2. The saddle type vehicle (100) as claimed in claim 1, wherein the air intake structure (200) further comprising a central portion (302) disposed between the hood cover (301) and the crankcase (208) of the IC engine (101); and an air filter assembly (400) disposed within the central portion (302), wherein the air filter assembly (400) configured to filter air before entry into the crankcase (208) of the IC engine (101).
3. The saddle type vehicle (100) as claimed in claim 2, wherein the air filter assembly (400) has a rectangular cross section and having a longer edge oriented vertically with respect to the horizontal plane.

4. The saddle type vehicle (100) as claimed in claim 2, wherein the air filter assembly (400) comprising a filter element (401) configured to trap dust from entering the crankcase cover (150), and a pair of cage support members (402, 403) disposed on either side of a filter foam to secure the foam element.
5. The saddle type vehicle (100) as claimed in claim 1, wherein the hood cover (301) comprises at least one opening (301c) to drain the water accumulated in the hood cover (301).
6. The saddle type vehicle (100) as claimed in claim 1, wherein a hot air exit (151) is disposed opposite to an air inlet aperture (150a).
7. The saddle type vehicle (100) as claimed in claim 2, wherein a receiving portion disposed on one end of a central portion (302) closer to the hood cover (301), said receiving portion having dimensions similar to the dimensions of the air filter assembly (400), and said receiving portion configured to accommodate the air filter assembly (400) on its inner surface.
8. The saddle type vehicle (100) as claimed in claim9, wherein the inner surface of the receiving portion comprising a second drain opening to drain collected water around the air filter assembly (400).
9. The saddle type vehicle (100) as claimed in claim 1, wherein the air intake structure (200) is disposed substantially below a rider seat (108) of the saddle type vehicle (100).
10. The saddle type vehicle (100) as claimed in claim 1, wherein at least a portion of the air intake structure (200) partially overlaps a floor board (117) of the saddle type vehicle (100).
11. The saddle type vehicle (100) as claimed in claim 1, wherein the air inlet opening (301a) is disposed substantially upstream of a cylinder head cover (203) of the IC engine (101) and above a kickstart lever (202).