In this work, we use a method based on the concept of particle confinement time (τp)(τp) uniqueness to calculate the electron density and temperature in ohmically heated, edge plasma of the Hefei tokamak-7. Here, with the help of the data taken from Johnson and Hinnov’s table, we have done an extensive work to find electron densities and temperatures that satisfy the τpτp uniqueness to evaluate the temporal evolution of electron density (ne)(ne) and temperature (Te)(Te). The results are in good agreement as measured from the Langmuir probe array in previous works.