

EXTRA- GALACTIC ASTRONOMY

DEEP SPACE NETWORKING MISSION WITH NUCLEAR ENERGY

SASI PRABHAKARAN.V

GOVERNMENT COLLEGE OF TECHNOLOGY,

COIMBATORE-13 TN INDIA.

E-mail id: sasiprabhakaran@gmail.com

Mobile: +91-9443273565

ABSTRACT

Search for the extraterrestrial intelligence, beyond the known planet, mission on mars, all of these things can be made possible only with that of nuclear energy. Why because the current technology employed in space propulsion could not extend its limits due to the very vast interstellar distance .The mission on DEEP SPACE NETWORKING powered by NUCLEAR energy has been interpreted in this paper. The specialized methodology for nuclear propulsion is explained here. The whole new generation nuclear space age will make the entire universe contracted. A small amount of source is more than enough to make a considerable change .Nuclear reaction has extensive application in this space age .The current technology can also make this feasible, but time matters .Manned spaceship could land over the asteroid belt with the nuclear powered space craft .By using energetic nuclear power, both high thrust and high specific impulse can be obtained¹ .There are a list of nuclear propulsion proposals like project *Orion* ,*soviet version* ,project *daldalus* .But the fact, why such project are not put into work is due to various factors .A conventional type of nuclear propelled space craft is proposed in the forth coming context.

The Deep Space Networking mission is carried out in five stages,

Stage 1- Solid propulsion rocket booster

Stage 2- Ion thruster propulsion

Stage 3- Solar sails propulsion

Stage 4- nuclear propulsion

Stage 5- parachutes landing

As this system will carry out the nuclear propulsion far away from the space law limits, so without violating the space law, the mission can be carried out by not harming the human society.