## FRW MODEL WITH MAGNETIZED QUARK AND STRANGE QUARK MATTER IN THE f(R,T) THEORY OF GRAVITY

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**Abstract**—As we know that FRW spacetime play an important role in the modern cosmology. Here we consider the new law of deceleration parameter proposed by S. Abdussattar. According to this law, we study the physical features of Quark Matter and Strange Quark Matter in the f(R,T) Theory of Gravity in the framework of Friedmann-Robertson-Walker background in the presence as well as absence of magnetic field with Cosmological constant. The energy conditions of the models are verified. **Keywords**: FRW Metric; f(R,T) Theory of Gravity; Quark Matter; Strange Quark Matter; Time Varying Deceleration Parameter; Cosmological Constant **PACS Number**: 98.80 cq