IMPACT: International Journal of Research in Applied, Natural and Social Sciences (IMPACT: IJRANSS) ISSN(E): 2321-8851; ISSN(P): 2347-4580 Vol. 3, Issue 7, Jul 2015, 107-116 © Impact Journals



LP- SASAKIAN MANIFOLDS WITH SOME CURVATURE PROPERTIES

KANAK K. BAISHYA^{1,} SHIBU BASAK² & SUBIR KUMAR DEY³

¹Kurseong College, Dowhill Road, Kurseong, Darjeeling, West Bengal, India ²Department of Mathematics, Kokrajhar College, Kokrajhar, Assam, India ³Research Scholar, Department of Mathematics, Bodoland University, Kokrajhar, Assam, India

ABSTRACT

The object of the present paper is to study the extended generalised ϕ -recurrent LP-Sasakian manifolds. Also the existence of such manifold is ensured by an example.

KEYWORDS: Lp-Sasakian Manifold, Generalised Recurrent Lp-Sasakian Manifold, Extended Generalized φ- Recurrent Lp-Sasakian Manifold, Quasi-Constant Curvature