



DEPARTMENT OF BIOTECHNOLOGY AND
GENETIC ENGINEERING
SCHOOL OF BIOTECHNOLOGY
BHARATHIDASAN UNIVERSITY
TIRUCHIRAPPALLI – 620 024

CERTIFICATE

This is to certify that the thesis entitled, “Novel Liver Decellularized Extra Cellular Matrix (dECM) Hydrogel Formulations for Tissue Engineering” submitted to Bharathidasan University, Tiruchirappalli - 620 024 for the award of the degree of Master of Technology in Biotechnology, is an authentic record of work carried out by PRIYATHARSHINI.M under the supervision of Dr. S. SIVARAMAKRISHNAN, Assistant Professor, Department of Biotechnology and Genetic Engineering, Bharathidasan University, Tiruchirappalli- 620 024. I further certify that no part of the thesis has been submitted anywhere else for any other degree, diploma, associateship, fellowship or any other similar titles.

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- 2.

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CERTIFICATE

This is to certify that the thesis entitled "*Novel liver dECM hydrogel formulations for tissue engineering*" submitted by PRIYATHARSHINI.M (Reg no: 12MTBT22) to the Bharathidasan University, Thiruchirappalli for the award of the degree of M.Tech (Biotechnology) is a record of bonafide work carried by her under my guidance at the Singapore Institute of Manufacturing Technology (SIMTech), A*STAR, Singapore during the period from January 8, 2018 to May 2, 2018.

The contents of this report have not been submitted and will not be submitted either in part or in full, for the award of any other degree or diploma in this institute or any other institute or university. The thesis fulfils the requirements and regulations of the university and in my opinion, meets the necessary standards for submission.

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Date: May 2, 2018

Signature of the External Guide