

Centre of Excellence in MEMS & Microfluidics
Rajalakshmi Engineering College, Chennai – 602105
Certificate Program on “Microfluidics – A Promising Technology for Future”
Program Schedule

Day	8.00 am – 9.30 am		9.45 am – 11.15 am	11.15 am – 12.30 pm	1.30 pm – 3 pm
Day - 1 18.12.2018 Tuesday	Registration 8.00 am – 8.30 am	Lecture – I 8.30 am – 9.30 am Introduction to Microfluidics Dr. R. Sundar, Dean / ECE, REC	Lecture – II Fabrication of Microfluidics using Soft Lithography Technique Dr. L. Sujatha, Head/CEMM	Lecture – III 3D printing based Microfluidic Viscometer for Biochemical Applications Dr. Sanket Goel, Professor/EEE, BITS-PILANI Hyd Campus	Practical Session – I Microfluidic device design using CAD Tools H. Radhika, JRF, CEMM, REC
Day - 2 19.12.2018 Wednesday	Lecture –IV Micro-mixing Techniques Dr. L. Sujatha, Head/CEMM, REC		Lecture –V Microfluidics application for Blood plasma Seperation based on Silicon Micromachining Technology Prof. Asish.K.Sen, IITM,Chennai	Lecture – VI Electric Fied Effects in Microfluidics Dr. L. Sujatha, Head/CEMM, REC	Practical Session –II FEA of Microfluidic device using MEMS CAD tools S. Kalaiselvi, SRF,CEMM,REC
Day - 3 20.12.2018 Thursday	Lecture – VII Uric acid sensing using Microfluidic device Mrs. S. Suganthi, Asso. Prof/ECE, REC		Lecture –VIII Droplet generation on Microfluidics and its Applications Prof. S. Pushpavanam, Inst. Chair Prof/Chemical Engineering, IITM, Chennai	Lecture - IX Fabrication of Microfluidics on Glass substrate Mr. P. Madhankumar, SRF CEMM, REC	Practical Session – III Demonstration on 3D Printing and Laser cutting Mr. Vinoth Kumar, Asst.Prof/Mech Engg, REC
Day - 4 21.12.2018 Friday	Practical Session – IV		Practical Session – V	Practical Session - VI	Practical Session - VII
CEMM Lab Visit / Demonstration of Microfluidic device fabrication using Soft Lithography Technique					
Day - 5 22.12.2018 Saturday	Lecture – X Application of Microfluidics for Mercury Ion Detection Mr.K. Karthikeyan, Senior Test Engineer, Tessolve Semiconductor Pvt. Ltd, Bangalore		Interactive Session	Feedback Session	Valedictory Program