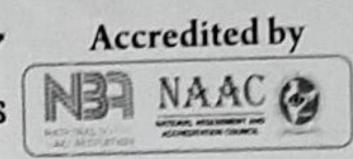


Nalla Narasimha Reddy Group of Institutions NALLA NARASIMHA REDDY

Education Society's Group of Institutions - Integrated Campus (Approved by AICTE, PCI, New Delhi. Affiliated to JNTU-Hyderabad)



International Webinar Report on

SUPER CONTINUUM LASERS: AN INGENEOUS TOOLBOX FOR MULTI-SPECTRAL **BIOMEDICAL APPLICATIONS**

1ST JULY 2020

Resource Person: Dr. MANOJ DASA

Scientific Researcher SHUT SENSING SOLUTIONS DENMARK



Dasa is a scientific researcher with over 5 years of experience In working with projects systems geared towards state-of- the-art photonic/optoelectronic to gas sensing. Dr. multidisciplinary applications ranging from biomedical imaging Dasa received his Ph.D. in Photonics Engineering from the Technical University of Denmark as a part of the Marie Sktodowska - Curie Actions grant funded by the European Commission. His project SUPUVIR(2017-2020) was an attempt 10 develop novel Super continuum lasersources for a wide range of applications working in close collaboration with 10 academic and industrial partners from six European countries - Denmark, Finland, Poland, France. Austria, and the UK. Currenlly, Dr. Dasa Is working as a Development Engineer at SHUTE Sensing Solutions, in Kvistgard, Denmark.

In his lecture, Speaker Dr. Dasa Manoj, covered aspects with regard to On the contrary, Super continuum lasers also called white light lasers, make use of a plethora of nonlinear optical effects inside a low - loss media like optical fibers to generate laser pulse withmultiple wavelengths (broadband optical emission). He has discussed about state-of-theart super continuum lasers followed by our novel approach of devising low-cost super continuum lasers based on readily available telecommunication range optical components. Subsequently, I will show how we used the developed super continuum lasers for real-time, multi-spectral whole- body small animal imaging (using a novel photo acoustic microscopy system) and high-accuracy glucose monitoring applications.

Head Of The Department

HEAD OF THE DEPARTMENT Electronics & Communication Engineering Nath Marasimha Reddy Education Society's Croup of Institutions-Integrated Campus Chewisticuda (V), Korremula 'X' Roads, Chatkesar (M) Medanal Malkajgiri (Dist.) Telangana 500088.