



## Adikavi Nannaya University

### UNIVERSITY COLLEGE OF ENGINEERING

RAJAMAHENDRAVARAM

### DEPARTMENT OF SCIENCE & HUMANITIES

### A One-Day National Webinar on INNOVATION ASPECTS FOR MATERIALS SCIENCE & ENGINEERING WITH REFERENCE TO INTELLECTUAL PROPERTY RIGHTS

17<sup>th</sup> Feb, 2021 - 10AM



#### About the University

Adikavi Nannaya University was established on 22nd April 2006, by an Act of the Andhra Pradesh State Legislative Assembly to meet the higher education needs of East & West Godavari districts. It is an affiliating residential university with territorial jurisdiction over East & West Godavari districts of Andhra Pradesh. The University recently attained ISO 9001:2015 Certification recently.

#### University College of Engineering

University College of Engineering, Adikavi Nannaya University, Rajamahendravaram was established with a goal to serve the academic needs of the students of Godavari Districts in the frontiers of Technical Education. Hence at present the college is offering five branches namely CSE, ECE, EIE, ME and Civil. University College of Engineering is a promising gateway to knowledge, growth and opportunity.

#### About Department of Science and Humanities

The Department of Science and Humanities as a distinguished department was established in the year 2019. Being an interdisciplinary department, it contains the experienced faculty from different branches of knowledge like Mathematics, Physics, Chemistry, Management and English. Starting from the date of establishment, the department is striving to serve the needs of all the first-year students of Engineering. Currently, the department contains the first-year students of CSE, ECE, EIE, CIVIL & MECH Engineering.

#### About the Webinar

Here we present the enhancement of field electron emission and microplasma illumination of diamond materials employing different approaches like ion implantation, ion doping in the plasma or innovation (formation) of hybrid diamond materials. Microplasma sources are gas discharges in a small confined region that have recently received huge interest and innovation owing to their numerous valuable characteristics, and promising for several applications including microplasma displays, hazardous gas detectors, UV sources, plasma treatments, ozone production, silicon etching, and bioelectronics applications and Innovations. Intellectual property (IP or IPR) is an important asset for any country to grow and take lead in the present global context. Since remote past, IP was an important element in nation building for advanced countries such as USA, UK, France, Germany, Japan etc., the realization for the same for developing countries has taken a momentum in present days. Though there are several forms of IP, *patents* are regarded as the main stream, as they are the effective outcomes of human creativity & innovation in problem-solution approach. This lecture will mainly focus on overview of IPRs with specific emphasis to patents, which will help the participants to work out on the possibilities of realizing the potential of research works towards innovative contributions.

#### Resource Persons

**Dr. K. J. Sankaran**

Senior Scientist  
CSIR-Institute of Minerals and Materials Technology  
Bhubaneswar, Odisha, India

**Dr. Togapur Pavan Kumar**

Senior Scientist  
CSIR-Institute of Minerals & Materials Technology (IMMT)  
Bhubaneswar, Odisha, India

**Prof M Jagannadha Rao**

Vice Chancellor

**Prof T Ashok**

Registrar

**Dr V Persis**

Principal,  
University College of Engineering

Convener

**Dr G Keerti Marita,**

Asst Prof of Physics,  
Dept of S&H, University College of Engineering

Co Convener

**Mr D Rambabu,** Asst Prof, Dept of S&H

Course Coordinator

**Mr M Bala Krishna,** Asst Prof, Dept of S&H

Organizing Committee

**Dr G Venkata Rao**

**Mr BB Ahmad Ali**

**Dr D Appala Raju**

**Ms D Vidya Srivani**

#### Who can attend

Students, Scholars and Faculty

**E-Certificate will be provided.**

Webinar Link will be sent to registered Mail ID

For Details: 9948183771, 9491023614

keerti.snh@aknu.edu.in

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