



ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY(A)

(An AUTONOMOUS Institution)

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A report on “Interactive Session on Start-Ups and Funding Proposals”

Organized by	: Research & Development Cell
Event name	: Interactive Session on Start-Ups and Funding Proposal
Name of the external	: Dr. U. Chandra sekhar, CEO, GMSIR, LLP Bengalure
Designation	: Professor
Topic	: Start-Ups and Funding Proposal
Venue	: Ground floor seminar hall, Visvesvaraya Bhavan
Date & Time	: 31-10-2023 (03:00PM to 4:30PM)
Conducted for	: All the Doctorates
No. of Faculty Attended	: 61

S. No	Branch	No of Faculty Attended
1	CIVIL	4
2	EEE	4
3	MECH	12
4	ECE	12
5	CSE	11
6	IT&MCA	2
8	AIML	5
9	H&BS	11
Total No of Faculty Attended		61

Profile of the Speaker



Dr. U. Chandrasekhar, CEO at GMSIR Scientific Innovation and Research Centre is a researcher, technology development program leader and an administrator with 38 plus years of experience straddling a Government R&D Establishment, a National Engineering Body and a Multinational Company. His areas of interest include gas turbine engineering, experimental stress analysis and additive manufacturing. He worked as the Additional Director of GTRE-DRDO, Bangalore; Director of ESCI, Hyderabad and Pro Vice Chancellor, VTU-Chennai prior to the current role at Wipro3D. He led two national technology development projects connected with additive manufacturing and thin film sensors for DRDO. He was also PI of an Indo Canada project on structural integrity evaluation using drone. He received his graduation (NIT, Suratkal) and post-graduation degrees (IIT, Chennai) in Mechanical Engineering. He received PhD from DRDO Research Centre VTU for his research in additive manufacturing of photopolymers carried out at GTRE. He has an advanced diploma in management. He received a Gold Medal from the former President of India Dr. A.P.J Abdul

Kalam for his academic achievements. After serving the Ministry of Defence in several capacities, he rose to the position of Additional Director, DRDO in 2010.

He set up the country's first-ever 3D Printing laboratory at GTRE, Bangalore in 1997. He carried out numerous 3D printing projects related to gas turbines, drones, medical devices and instrumentation modules. During his tenure at DRDO, he carried out several technology development projects and also led a senior group of scientists at Moscow during aero gas turbine engine testing. He received commendation medal from the Scientific Advisor to the Defence Minister in recognition of his contributions to the rapid prototyping of complex aeronautical systems. He mentors 3 startups in domains of design, edutech and 3D printing. He had a stint as the Visiting Professor in the Mechanical Engineering Department of IIT Bombay during 2018. He is on the Academic Sub-Committee of the National Board of Accreditation for fostering outcome based education. He is the current Vice Chairman of NAFEMS, UK's India chapter. In association with IIT Madras, he developed NPTEL program future of manufacturing technologies. In August 2021, he was invited by the Indian Institute of Science to serve as the Adjunct Faculty at CPDM-IISc. In association with VIT Vellore he is carrying out Royal Academy of Engineering Projects connected with Additive Manufacturing Skills.

Report

A guest lecture is arranged by ACET-R&D Cell on 31th October 2023 (Tuesday) from 3:00 PM to 4:30 PM at Visvesvaraya Bhavan Seminar Hall (Ground Floor). Prof U Chandra Sekhar has interacted with doctorates on "Startups and funding proposal writing". The doctorates attended this program to enhance their knowledge of research funding. He was explained social problem-related startups and its gained prominence over the last decades. He suggest that focus on addressing pressing societal challenges while also pursuing profitability. He addressed challenges in achieving their goals, including financial sustainability, scalability, regulatory hurdles, and demonstrating their social impact to stakeholders. Disussed few examples such as Toms Shoes, Khan Academy, and SolarCity (now part of Tesla) etc. Social problem-related startups exemplify the potential of entrepreneurship in driving positive change. He also suggested that take the involvement of students and easily get the student related funding like Amity Innovation Incubator, Amity University Campus, Noida. Amrita Technology Business Incubator, Amrita Vishwa Vidyapeetham, Clappana, Kollam. Abhiyan, IIM Lucknow etc. He was clearly explained all levels of TRLs from Conceptualization to full scale implementation.

He instructed every researcher before applying funding effective draft of research proposal in various steps, and explained all steps mentioned here: 1.Title 2. Area of research 3.Abstract

4.introduction 5.Literature review 6.Methodology 7.Objectives 8.Outcomes or deliverables 9.Budget 10.Time schedule. He suggested that write proposal with good effort on real time problems and take number of revisions as like our doctoral thesis write up. After enhanced the quality of the proposal, search relevant scheme from DST, DBT, DRDO, DOS, DISR and AICTE funding agencies.

Overall Feedback from Faculty

Faculty provided feedback to the resource person about writing research funding proposals. The knowledge of Prof. Chandra Sekhar on the subject matter is quite impressive.

Remarks from Resource Person

Prof. U. Chandra sekhar was satisfied with the well-organized event and interaction from the R&D department. He was also enthusiastic about the faculty's interest in startups and writing the research funding proposals. He gives assurance to associate with ACET in future, reviews the research proposals written by faculty, and gives suggestions for improvement. Also given an opportunity to collaborate industries and universities with his reference.

Photos





Budget:

S.no	Budget Head	Amount
1.	Honorarium to the Expert(s)	8,000/-
Total Amount		8,000/-

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Coordinator

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