AICTE-INAE Distinguished Visiting Professorship Scheme

Theme	1 credit course
Activity Name	Discussion on Patents and Research Patents
Mode of Conduct	Offline
Date	09.10.2019 - 11.10.2019
Time	2:15 – 4:15
Participants	Faculty of ECE Department
Description	A new industry supported one credit course on drone computing.

Part – II
(To be filled by HOD/Programme Coordinator)

1. Name of the Program Coordinator and Department

    Dr.B.Sathya Bama, Dr.R.A.Alaguraja, Dr.B.YogaMeena
    Department of Electronics and Communication Engineering

2. Dates of visit of Distinguished Visiting Professor — 09-10-19 to 11-10-19

3. Lectures Delivered

Date	Topic	Time at which lecture delivered		Audience (Specify UG/ PG/ Doctoral / open to all)	Number attended	Were the lectures delivered by the Visiting Professor directly relevant to the Academic programmes?
		From	To			
09.10.19	New Syllabus Discussion	9:30 AM	10:00 AM	Faculty Members	4	Yes
	2.5D, 3D Vision	10:00 AM	11:00 AM	Image Analysis and Visualization, B.E.ECE IV year	37	Yes
	Mathematics for Engineering Research	11:15 AM	1:15 PM	M.E and Ph.D Scholars	26	Yes
	Patentability	2:15 PM	4:15 PM	ECE Faculty Members	8	Yes- Research
10.10.19	2.5D, 3D Vision	9:30 AM	11:15 AM	Image Analysis and Visualization, B.E.ECE IV year	37	Yes
	Image Processing SIG- Research Review	11:30 AM	1:00 PM	Ph.D Scholars		yes
	Discussion on Patents and Research Projects	2:15 PM	4:15 PM	ECE Faculty	8	Yes
11.10.19	Professional Authoring	9:30 AM	12:30 PM	M.E Students – All Departments	130	yes
	Professional Authoring- Discussion	2:00 AM	3:00 PM	M.E Students – All Departments	130	Yes- AICTE

b) Were the lectures directly relevant to the Academic programmes ?   - yes

4. Projects guided by the Visiting Professor -
    a. Title(s) of the project(s)
    - Development of Night Vision Algorithms
    - Deep learning based Object Recognition in Complex Environment
    - Super Resolution Imaging

    Patent Ideas Discussed

    - Non Destructive Corrosion behavior Analysis

    - Identification of Cultural Objects/Architectures by Morphing

b. Relevance of the project to the Industry

c. How were the ideas of the projects/ thesis problem(s) conceived?

- Glass Inspection for Saint Gobain

Ph.D student's Research has been reviewed by the expert. He has given ideas to proceed it in a right direction to complete the research and to make good a publication from it.
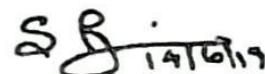
5. **Curriculum**
Has the Visiting Professor participated in course development/ curriculum formulation? If so, please describe

6. Give a brief report on the impact of the Scheme and any other suggestions?

- A new Industry Supported one credit course on Drone computing syllabus has been formulated by the Visiting professor along with the faculty members of TCE.

- This time a AICTE mandatory course on Professional Authoring for PG and Ph.D students of all discipline has handled by our DVP. This was will be very much useful for students to write their thesis and good research publication. The attended students were asked to submit a research paper based on the course for evaluating the same.

Signature 14/6/19

Date: \
Signature of HOD /Programme Coordinator and Seal

Programme Coondinators

B· YOGAMEENA - B· Yogameena 11/10/19

B· SATHYA BAMA - B· Sathya Bama 11/10/19.

R.A· ALAGU RAJA - Rellari 11/10/19

Dr. S. RAJARAM, M.E.,Ph.D.,
Professor and Head
Department of ECE
Thiagarajar College of Engineering
Madurai-625 015