

INDIAN NATIONAL ACADEMY OF ENGINEERING

AICTE-INAE Distinguished Visiting Professorship Scheme

Preamble

The Indian National Academy of Engineering (INAE), founded in 1987 comprises a Fellowship of the most distinguished engineers, engineer-scientists and technologists of India and abroad from the entire spectrum of engineering disciplines. It is a peer body of engineering professionals with the aim to promote and advance the practice of engineering and technology, related science disciplines and their applications to problems of national importance. It also encourages inventions, scientific investigations, and research in pursuit of excellence in the field of engineering. Activities of the Academy include, research projects, pilot studies, technical education, fellowships, recognitions and awards and programmes on issues of technology policy and overall development for the benefit of the society and other benefactions.

It has long been felt that there is a need for active linkages between industry and engineering institutions which can help enrich curriculum contents and also add dynamicity to the existing systems of continuing education programmes. The gap between theoretical knowledge and practical applications can be narrowed down through a coordinated approach ensuring closer interactions among industry, R&D institutions and the academia, through institutionalized mechanisms. Active programmes should be established for regular visits of experts from industry to address students and academic staff.

The Indian National Academy of Engineering (INAE) launched a Distinguished Visiting Professorship (DVP) Scheme jointly with AICTE in 1999. The Scheme envisages promotion of industry-institute interaction by facilitating the dissemination of knowledge through the expertise of experienced and knowledgeable persons from industry to integrate their rich industrial experience with technical education. The Scheme has received very enthusiastic response from industry and engineering research institutions over the years.

The success of the scheme is largely attributed to active participation of experts from renowned industries like TATA Steel, Hewlett Packard, Larsen and Toubro Limited, Bharat Heavy Electricals Limited, Hinduja Automotive Limited, M/s IP Rings, Tata Research Development & Design Centre, Aditya Birla Group (Cement Division), UltraTech Cement Ltd., Visual Collaboration Technologies Pvt Ltd, Applied Cognition Systems Ltd and Mishra Dhatu Nigam Ltd etc.

There is a constant endeavour to improve and strengthen the functioning of the scheme for which suggestions/views are sought from the industry experts as well as affiliated engineering colleges/institutions through a Feedback Report after each visit by the industry expert. Positive feedbacks have been received and some of the representative feedbacks from engineering colleges/institutions associated with this scheme are included in the last page.

Objectives

The Distinguished Visiting Professor under the scheme will:

- i) Deliver lectures on the state-of-art of Industry, industrial ambience and R&D needs of the industry to the students and faculty of technical institutions.
- ii) Guide student projects/ theses of interest to industry.
- iii) Help curriculum development, keeping in view, the changing industrial needs.
- iv) Develop cooperative undergraduate and postgraduate programmes with industry having potential benefits to faculty, students and Industry.
- v) Take up any other activities for the mutual benefit of engineering institutions and industry

Eligibility

The Distinguished Visiting Professor will be an eminent scholar/expert in his/her field, working in an industry/ R&D organization.

The Responsibilities of the Distinguished Visiting Professor

- i) He/she will visit the Institution upto 3 times for a maximum of 3 days per visit in a Semester and will be reimbursed air fare in Y-Class or actual fares if performed by Rail to the Institutions. He would also be entitled to an honorarium of Rs. 10,000/- per lecture day.
- ii) He will initiate student projects dealing with “real life” and “shop floor problems” in which he/ she is personally involved in the Industry and will provide guidance. He will also emphasize marketing, commercial as well as technical aspects of the project. The project guidance could be either at the host institution or at his industry under the joint supervision of the Distinguished Visiting Professor and a faculty of the host Institution.
- iii) He will interact with the academic staff and act as a catalyst towards an integrated approach in curriculum development with inputs from his industrial experience.
- iv) The Distinguished Visiting Professor will provide a 1-2 page abstract of his lecture along with relevant slides/ material for dissemination to the students.

Tenure of the Distinguished Visiting Professor

Tenure will be initially for a period of one year, which is further extendable up to a maximum of five years. However, continuation or otherwise, in the subject scheme, will be decided by the Steering Committee each year, based on the active contributions of the concerned industry experts and the feedback received from the affiliated engineering college /institution.

The Responsibilities of the Institution

- i) The host Institution where a Distinguished Visiting Professor is associated will provide him with office and secretarial facilities for his working in the Institutions.
- ii) The host Institution will also provide him local hospitality including free Guest House accommodation where available or arrange suitable accommodation for him in a nearby Guest House and also provide him local conveyance.
- iii) The Institution will appoint a senior Professor as the Coordinator of the DVP programme to facilitate arrangements of lectures, supervision of projects, etc.

Proposals / Requests for Appointing a Distinguished Visiting Professor

- i) INAE will invite nominations from Industry, R&D Labs, Engineering Institutions and Fellows of the Academy on the Format contained in this brochure.
- ii) An Industry Expert desirous of being a Distinguished Visiting Professor may fill in Part I of the Format. Part II of the Format is to be filled by an AICTE approved Engineering College/Institution. An AICTE approved Engineering Institution desirous of having the services of a Distinguished Visiting Professor, can apply to INAE giving all relevant details of the Institution and the subject area in which it needs the expertise of an eminent person from industry.
- iii) The Industry Expert fills in Part I of the Format and also gets Part II filled in by a suitable AICTE approved engineering college/institution of his choice and submits both Part I and Part II together to INAE.

Forwarding of Proposals

The proposals should be forwarded at the following address:

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