

Teaching portfolio

1. Teaching CV: A list of teaching and supervision tasks, including specification of academic fields, scope, level (bachelor, master, continuing education, PhD). Please state the teaching method used (e.g. lecture, class teaching, exercises, supervision, examination, coexamination, distance teaching, internet-based teaching and evaluation of teaching). Please also indicate the language of instruction.

Project Supervision:

Master Level:

◆Co-supervised 2 completed projects at IIT(ISM) Dhanbad during PhD

◆Co-supervision of 1 completed and 3 ongoing projects at Aalborg University, Denmark

Teaching Experience:

◆Laboratory Classes: Fluid Power Systems lab for Masters and Bachelor students at IIT(ISM) Dhanbad, India

◆Teaching Assistant: Fluid Power Systems and Components for Masters and Bachelor students at IIT(ISM) Dhanbad

◆Teaching Assistant: Optimization theory for Masters students at Aalborg University, Denmark

2. Study/programme administration and management: Experience in programme management and coordination. A list of study administration tasks, e.g. study board membership, chair of study board, semester or course coordinator, accreditation tasks, etc. Experience in planning teaching activities. Experience in programme development. Participating in committees and commissions etc. on education issues.

3. Formal pedagogical training: A list of completed courses in university pedagogy, PBL courses, workshops, academic development projects, collegial guidance and supervision, etc. Written assessment from the course in university pedagogy for assistant professors. Participation in conferences on pedagogy and didactics. Please enclose any documentation of the above, such as course certificates, references, etc

4. Other qualifications: Conference contributions and attendance, contributions to debates, scientific articles on pedagogical issues etc. Peer supervision, editorials, mentoring experience or other types of competence development activities.

5. Pedagogical development and research: Development of new courses, teaching materials, teaching methods, examination types or other types of pedagogical development. Didactic and pedagogical research. Cooperation with external collaboration partners.

6. References on your teaching skills from superiors or colleagues. Teaching evaluations and any teaching awards received.

◆Prof. Niranjana Kumar, Associate Professor, Department of Mechanical Engineering, Indian Institute of Technology, Dhanbad, India email: niranjana@iitism.ac.in

◆Prof. Henrik C Pedersen, Associate Professor, Department of Energy, Mechatronics Section, AAU Energy, Aalborg University, Aalborg India email: hcp@et.aau.dk

7. Personal reflections and initiatives: Here you may state any personal deliberations as regards teaching and supervision, any wishes and plans for further pedagogical development, plans for following up on student feedback/evaluations, etc. Personal reflections on your own pedagogical practice, including objectives, methods and implementation. This should include an analysis and a reasoned description of your pedagogical activities in relation to your pedagogical understanding and student learning.

Thoughts on the teaching method at Aalborg University (which is largely based on group-organised project work and problem-based learning)

8. Any other information or comments.

Participated in Fluid Power Laboratory development during PhD alongwith supervisor at IIT(ISM) Dhanbad by funding from Department of Science and Technology, Government of India