Roles and Responsibilities of Professor of Practice (PoP)

A Professor of Practice (PoP) is an accomplished industry professional appointed to bridge the gap between academia and real-world practice. The PoP brings industry expertise into the academic ecosystem, strengthens industry linkages, enhances student employability, and ensures that engineering education remains aligned with current and emerging industry needs.

1. Teaching & Academic Contributions

- Teach practice-oriented courses at undergraduate and/or postgraduate levels
- Design and deliver industry-relevant curricula, electives, and skill-based modules
- Integrate case studies, live industry projects, simulations, and design-thinking approaches into teaching
- Co-teach courses or deliver guest lectures in collaboration with regular faculty
- Mentor students in capstone projects, internships, industrial training, and project-based learning (PBL)

2. Industry–Academia Interface

- Act as a liaison between the institution and industry
- Facilitate MoUs with industries, R&D organizations, startups, and professional bodies
- Enable internships, industrial visits, and sponsored projects
- Invite industry experts for technical talks, workshops, seminars, and conclaves
- Support technology transfer, consultancy, incubation, and entrepreneurship initiatives

3. Student Mentoring and Career Guidance

- Mentor students on career pathways in industry, entrepreneurship, and higher education
- Develop students' professional skills including teamwork, ethics, leadership, and communication
- Guide students in product development, startups, hackathons, competitions, and innovation challenges
- Support placement activities and employability enhancement programs

4. Applied Research and Innovation

- Contribute to applied research and industry problem-solving projects
- Collaborate with faculty and industry on Sponsored research. Prototype and product development
- Patents, intellectual property (IP), and technology commercialization
- Assist in establishing Centers of Excellence (CoE), advanced laboratories, and innovation hubs

5. Curriculum Development & Academic Governance

- Participate in Board of Studies (BoS) and curriculum revision committees: Ensure curriculum alignment with Current industry standards
- Recommend industry-relevant tools, software platforms, standards, and certifications

6. Faculty Development

- Train and mentor faculty in latest industry practices, tools, and workflows
- Promote Outcome-Based Education (OBE) and Project-Based Learning (PBL) methodologies
- Conduct Faculty Development Programs (FDPs), workshops, and training sessions
- Share insights on industrial project management, quality standards, and best practices

7. Consultancy & Revenue Generation

- Lead or support industry consultancy projects
- Assist in proposal writing, costing, execution, and reporting of consultancy work
- Contribute to institutional revenue generation and strengthening industry trust

Roles and Responsibilities of an Adjunct Professor

An Adjunct Professor is typically a part-time or contractual faculty member appointed to contribute specialized academic knowledge, industry experience, or professional expertise without long-term service obligations. Adjunct Professors complement the core faculty by delivering high-quality, practice-oriented instruction and contemporary insights, while carrying limited administrative and institutional responsibilities.

1. **Teaching & Instruction**

- Teach designated undergraduate and postgraduate courses, modules, or laboratory components
- Deliver guest lectures, short-term courses, and specialized elective subjects
- Emphasize application-oriented, advanced, and industry-relevant topics aligned with professional expertise
- Prepare lecture plans, course materials, assignments, quizzes, and assessments
- Adhere to the approved syllabus and academic calendar

2. **Curriculum Support**

- Contribute to curriculum design and revision, particularly in emerging and cutting-edge technologies
- Recommend relevant industry tools, standards, and professional practices to enhance course content

3. **Student Mentoring & Academic Guidance**

- Guide students in mini-projects and major projects
- Support learning through industrial case studies and real-world problem-solving

- Provide academic guidance related to the subject(s) taught

4. **Industry & Professional Exposure**
   - Share insights on current industry trends, real-world challenges, and best practices
   - Facilitate industrial visits, expert talks, and hands-on workshops
   - Help students understand professional expectations, workplace ethics, and employability skills

5. **Research & Innovation (Limited / Optional)**
   - Collaborate with full-time faculty on applied research and innovation projects
   - Co-guide student projects and support sponsored research, consultancy, or prototype development
   - Contribute to publications or patents, where applicable (not mandatory)

6. **Evaluation & Assessment**
   - Conduct internal assessments, laboratory evaluations, and project reviews
   - Submit marks and academic reports in a timely manner, following institutional norms
   - Ensure fair, transparent, and ethical evaluation practices

7. **Academic Compliance**
   - Adhere to institutional policies, university regulations, and accreditation requirements (NBA, NAAC, etc.)
   - Maintain accurate documentation related to course files, student performance, and attendance
   - Attend departmental meetings when required

8. **Collaboration with Full-Time Faculty**
   - Coordinate with course coordinators and departmental faculty
   - Align teaching approaches with departmental goals and academic standards
   - Share expertise through faculty interactions or Faculty Development Programs (FDPs) when invited

9. **Key Characteristics of an Adjunct Professor**
   - Appointed on a part-time or contractual basis
   - Compensation based on per course, per lecture, or per semester
   - Strong emphasis on subject expertise, teaching effectiveness, and professional relevance

Roles and Responsibilities of Research Professor

Research Professor's s primary responsibility is to generate high-quality, impactful research, secure competitive funding, mentor emerging researchers, and contribute to academic excellence and societal advancement, while carrying minimal teaching responsibilities.

1. Research & Scholarship

- Lead and conduct original, high-quality research
- Formulate research questions and develop appropriate methodologies and frameworks
- Continuously update research agendas in line with emerging findings and advances
- Sustain a strong scholarly profile and research reputation
- Integrate new knowledge into research activities and mentorship practices

2. Grant & Funding Activities

- Identify and pursue funding opportunities from government, industry, and foundations
- Prepare and submit competitive research grant proposals
- Manage funded projects effectively, including budgets, timelines, and reporting

3. Mentorship & Supervision

- Mentor graduate, postgraduate, and doctoral researchers
- Supervise theses, dissertations, and independent research projects
- Provide guidance on research design, scholarly publishing, and academic career development

4. Collaboration & Networking

- Collaborate with faculty members, research centers, and external stakeholders
- Participate in interdisciplinary and international research collaborations
- Develop partnerships with industry, government bodies, and non-governmental organizations

5. Teaching (Limited or Optional)

- Deliver specialized or graduate-level courses aligned with research expertise
- Contribute through guest lectures, seminars, or workshops
- Integrate current research findings into teaching activities where appropriate

6. Service to Institution & Profession

- Serve on research, ethics, or academic committees
- Review manuscripts, conference submissions, and grant applications
- Organize or contribute to conferences, workshops, and academic events
- Support school-level and institutional research strategies

7. **Knowledge Transfer & Impact**

- Translate research findings into practical applications, policy insights, or innovations
- Engage in outreach, public engagement, and consultancy activities
- Support intellectual property development, commercialization, or technology transfer where applicable

8**. Compliance & Ethical Responsibility**

- Uphold the highest standards of ethical research conduct
- Ensure data integrity, transparency, and responsible authorship
- Adhere to institutional policies, legal requirements, and professional research standards