# TEACHING AND LEARNING IN GENERAL PROGRAMS: TALG

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**PRE-REQUISITES :** PG Degree in any HSS

**INTENDED AUDIENCE :** Working and aspiring teachers of General Program ( BA, B.Sc, B.Com)

**INDUSTRIES APPLICABLE TO :** Educational Institutions, Corporate Training

**COURSE OUTLINE :**

The quality of Teaching And Learning in General Programs (Humanities, Social Sciences and Sciences) (TALG) has come to be an important issue in India to all stakeholders including teachers, students, parents, Managements, Universities, UGC, AICTE, NAAC and Employers. Undergraduate programs of three or four year duration are offered in Humanities, Social Sciences and Sciences. 40,000 Degree Colleges provide most of the graduate level workforce to Government and Private Organizations in India. The quality of learning of their graduates will make a major difference to the wealth generating and service providing abilities of these organizations.  Courses in Humanities, Social Sciences and Sciences (nearly 30 credits out of 160 credits) are also offered in all undergraduate engineering programs in more than 4000 higher education institutions. The quality of learning of the graduates of these programs determines the quality of their placements.  While there has been significant increase in the last few decades in our understanding of how people learn, there has not been much intersection of this knowledge with the instructional practices at institutions of higher learning. The dominant instructional method still remains lecturing/one-way information transfer. Employers, Regulatory Bodies and Accreditation Agencies in India want the graduates attain a set of Program Outcomes (knowledge, skills and attitudes) to be identified by the Institutions offering the General Programs. These Program Outcomes need to be discipline agnostic.  The curriculum of a program decides the nature of learning experiences including the courses, projects, field work, internships, and co-curricular and extra-curricular activities. The focus on students attaining a certain set of outcomes requires a shift from teacher centric approach to student centric instruction.  While good teachers, in any era or in any part of the world, were and are always student centric in their approach the process of designing and conducting a course remained informal in nature.    The contexts of instruction including quality and background of students, teacher expertise, physical environment and the system in which instruction takes place, available resources, regulatory and accreditation mechanisms, and assessment and evaluation mechanisms are extremely varied.  There is no unique method that leads to good learning in all contexts. The course TALG addresses many of the common issues of teaching and learning in Humanities, Social Sciences and Sciences Courses in the Indian context and tries to provide a complete solution to the process of design and conduct of a general course leaving all the academic freedom the teacher wants to have.

**ABOUT INSTRUCTOR :**

Prof. N.J. Rao ,Previously the Chairman of CEDT (Centre for Electronics Design and Technology, IISc during 1981 1996, and Chairman, Department of Management Studies during 1998 2006, and superannuated as Professor at CEDT in July 2006. Presently a Consulting Professor at International Institute of Information Technology (IIIT), Bangalore, a member of several committees associated with NBA, and a member of the Core Committee that defined the new Accreditation processes of NAAC. Research areas included Control Systems and System Dynamics. Present research interests include higher education, pedagogy and education technologies, particularly assessment and metacognition. Presently working with Department of Higher Education, Kerala for improving quality of learning in Higher Education Degree Colleges, and several engineering colleges for curriculum design, pedagogy and quality of learning. Has designed and has been conducting a wide range of faculty development programs on NBA Accreditation, Curriculum Design, Course Design, OBE, and Assessment. Offered MOOC programs TALE (Teaching and Learning in Engineering) and TALG (Teaching and Learning in General Programs) through NPTEL.

**COURSE PLAN :**

 **Week 1:** OBE and Accreditation

 **Week 2:** Outcomes and Cognition

 **Week 3:** Knowledge Categories, and Affective and Psychomotor Domains

 **Week 4:** Course Outcomes