

G. NARAYANAMMA INSTITUTE OF TECHNOLOGY AND SCIENCE

(FOR WOMEN)

DEPARTMENT OF IT

PO & PSO ASSESSMENT PROCESS

Assessment Tools used:

Direct Assessment tools:

1. Internal Examination results:

The internal examinations are conducted twice in each semester. The faculty of the course will evaluate the results for each course outcome and their level of attainment.

2. External Examination results:

External Examinations are conducted once at the end of each semester. The teaching faculty will evaluate the results obtained during the external examinations by finding the class average marks. The final attainment for a particular program outcome and program specific outcome is calculated by taking the 80% of direct assessment and 20% of indirect assessment.

Indirect assessment tools:

Feedback from various stakeholders:

The feedback is collected every academic year from all the stakeholders and is evaluated and analyzed. Accordingly the necessary action will be initiated in the department for the successful attainment and accomplishment of the POs and PSOs of the programme. For each stakeholder different set of questions are framed based on factors on which the feedback is to be taken. The average rating in terms of percentage is calculated for each of the question. The calculated average of each question is mapped to POs and PSOs that relates to it. The average is computed to all the questions that mapped to each PO.

Alumnae feedback: Feedback is collected from alumnae with 17 questions which are rated from 0 to 5.

Parents' feedback: Feedback is collected from parents with 15 questions which are rated from 0 to 5.

Outgoing students' feedback: Feedback is collected from the outgoing students with 10 questions which are rated from 0 to 5.

Employer's Feedback: Feedback is collected from Employer with 15 questions which are rated from 0 to 5.

Feedback from Governing Council: Feedback is collected from governing council body with 25 questions which are rated from 0 to 5

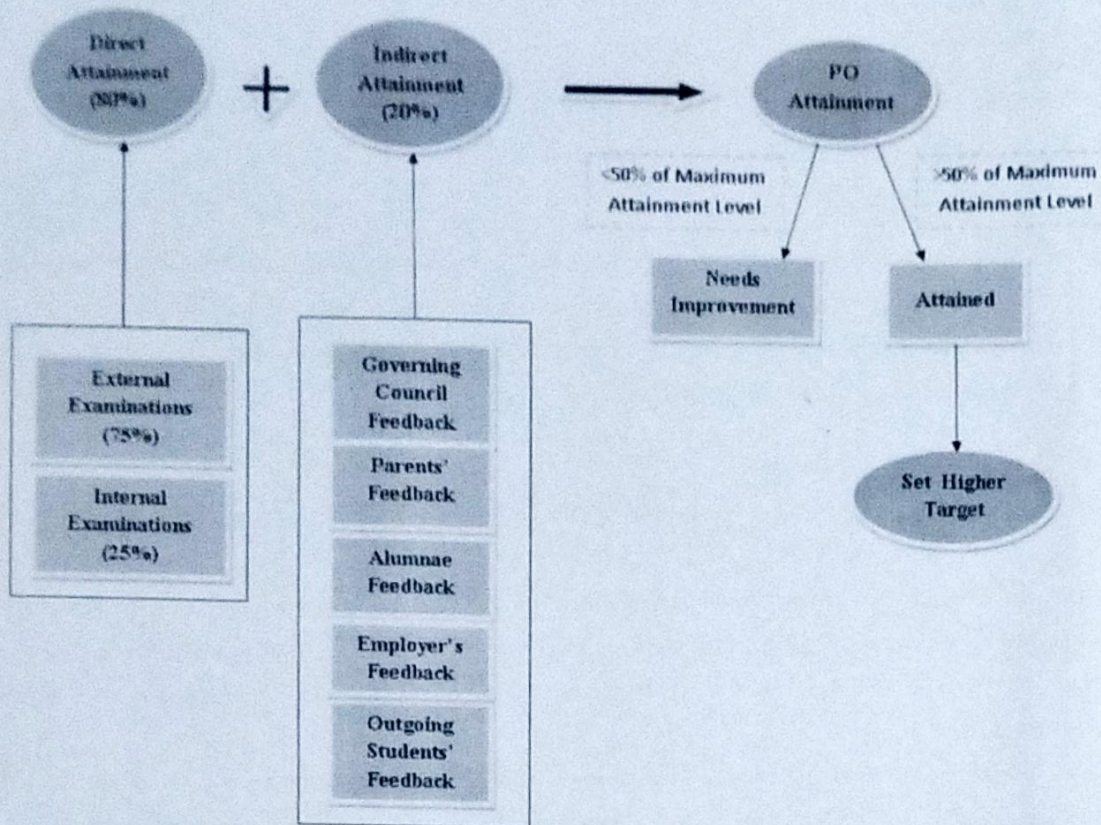
The overall Indirect attainment for each PO is calculated as follows

* Mapping all survey Questions with corresponding POs

* Finding average percentage of all survey questions that corresponding to POs. The overall Indirect attainment for each PO is calculated by finding the average of all types of surveys for that corresponding POs.

Range for defining the Indirect Course Attainment Level:

Description	Range	Attainment Level
Not obtained	<50	0
Weak	>50 & <60	1
Moderate	>60 & <70	2
Strong	>=70	3



Process used for assessing the attainment of Program outcomes:

After the course attainment is obtained, each PO Attainment for a particular course is calculated by the following formula,

PO1 attainment for a particular course = $(1/3) * CA * CL$ where,

CA = Course attainment of a particular course.

CL = Correlation level of PO1 for that particular course.

Same process is followed to obtain the attainments of other POs also for a particular course.

With the obtained values, **PO Attainment table** is filled for all the courses of the program.

Process used for assessing the attainment of Program Specific outcomes:

Two PSOs are defined for Information Technology and the attainment is calculated based on direct and indirect parameters.

PSO1: This Objective aims at making students capable of taking up distinctive project activities using the programming knowledge acquired from various program courses. The attainment of this PSO can be obtained by evaluating the attainments in the courses related to programming, databases, algorithms and design of programs. In addition to this direct attainment, evaluation of the mini project and main project works carried out by the students and performance of the students in the departmental technical events like C skill test, coding and debugging contests will help us in assessing the attainment.

PSO2 : This Objective aims at making students adept and competent enough to adapt to the blooming Technologies and modern tools in the IT industry. The direct attainment of this PSO can be obtained by valuating the attainment levels in the advanced professional courses offered in the program and the technical seminar assessments. The indirect attainment is assessed based on the knowledge enhancement achieved through various certification courses, value added courses and workshops attended by the students during their program coursework.

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Program Coordinator