

TEST, MEASUREMENT AND EVALUATION

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Meaning of Test

- Test may be called as tool, a question, set of question, an examination which use to measure a particular characteristic of an individual or a group of individuals.
- It is some thing which provides information regarding individual's ability, knowledge, performance and achievement.

According to Barrow and McGee:

- A test is a specific tool or procedure or a technique used to obtain response from the students in order to gain information which provides the basis to make judgment or evaluation regarding some characteristics such as fitness, skill, knowledge and values.

Meaning of Measurement

- It is the collection of information in numeric form
- It is the record of performance or the information which is required to make judgment.

According to R.N. Patel

- Measurement is an act or process that involves the assignment of numerical values to whatever is being tested. So it involves the quantity of something.

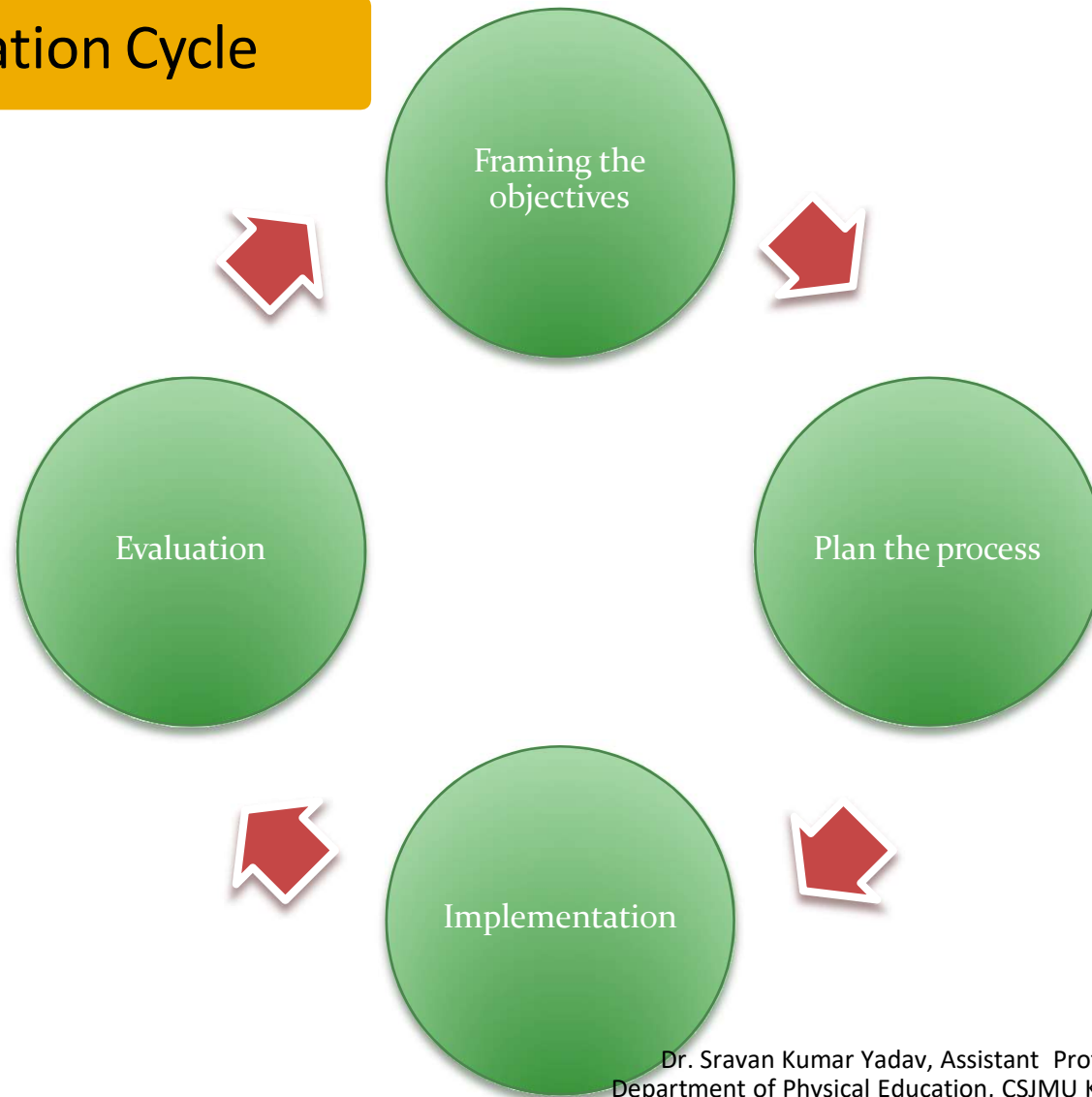
Meaning of Evaluation

- It is a technique by which we come to know at what extent the objectives are being achieved.
- It is a decision making process which assists to make grade and ranking.

According to Barrow and Mc Gee

- It is the process of education that involves collection of data from the products which can be used for comparison with preconceived criteria to make judgment.

Evaluation Cycle



Nature of Test

- The test is reliable
- The test is valid
- It is objective
- Must accomplish with norms
- Should not be expensive
- Less time consuming
- Must produce results and its implementation
- Its feasibility
- Must have educational values

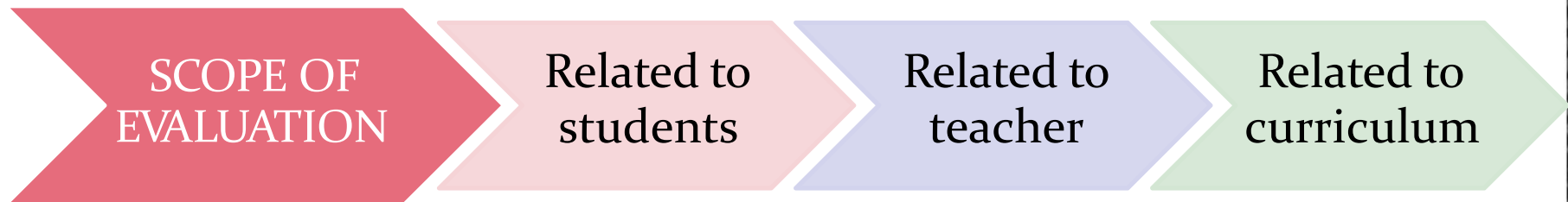
Nature of Measurement

- It should be quantitative in nature
- It must be precise and accurate (instrument)
- It must be reliable
- It must be valid
- It must be objective in nature

Nature of Evaluation

- It is systematic process
- It is a continuous dynamic process
- Identifies strength and weakness of the program
- Involves variety of tests and techniques of measurement
- Emphasis on the major objective of an educational program
- Based upon the data obtained from the test
- It is a decision making process

SCOPE OF EVALUATION



Related to students

- To determine the objectives
- To select a particular team
- Classification of the students
- To select appropriate learning situation
- To motivate the students
- To develop ability and skill of the students
- To find out the rate of improvement or progress
- To predict future performance
- For grading purpose
- To diagnose the learning problem

Related to teacher

- To determine the effectiveness of teaching (teaching methods)
- To adjust the content of course (in relation to determine the no. of subject and content of the syllabi)
- Development of norms which may involve in evaluation
- To conduct intensive research
- To predict the performance and
- To develop new programs in the field of physical education and sports

Related to curriculum/administration

- Evaluating the curriculum program
- Justify physical education programs at different levels
- Continuous assessment
- Develop community interest
- Develop and modification of instructional process
- Overall assessment of total school/college program
- Assessment of teacher's performance in all respect
- Selection of teachers in various fields

Need and Importance

- To frame the objectives : setting target, goal according to the need and requirement
- To realize that the objectives are achieved or not
- To understand the need, ability and capacity of any individual
- To evaluate the learner: so that feed back can be given
- To evaluate teaching program
- For the classification or gradation of the students
- To check the progress or improvement of the learner time to time

Contd.

- For diagnosis of learning program: biomechanics, motor skill, cognitive etc
- Prediction of future performance
- For screening or scrutiny purpose
- Selection of team or individual events
- For intensive type of research it is essential
- For the purpose of guidance and counseling
- For accountability purpose: assign responsibility
- Evaluate different methods of instructions

Principles of Evaluation

- Principles are guide lines which lead an individual towards right path
- Principles are fundamental truth and has the characteristic of universality

Followings are the principles of evaluation:

- Determine the product/result
- Formulating the objective
- Established the process (total physical education curriculum, personal program and environment)

- Collecting data from both product and process
- Broad scope of evaluation (comparison of data with previous objective)
- Necessary for advancement in scientific education
- Subjective measurement (qualitative measurement like leadership, sportsmanship, self concept, anxiety, attitude, personality etc.
- An aid of teaching (its not a replacement but a assistance like: provide feedback, reinforcement, motivation)

Contd.

- Use for specific characteristic or purpose, the purpose of the test should be cleared for students and teachers
- Attention in methodology
- Administer by qualified/ experienced persons
- Determine the value of equipment, material and method
- Conduct in a professional manner
- Consideration of whole individual and his environment