

Introduction

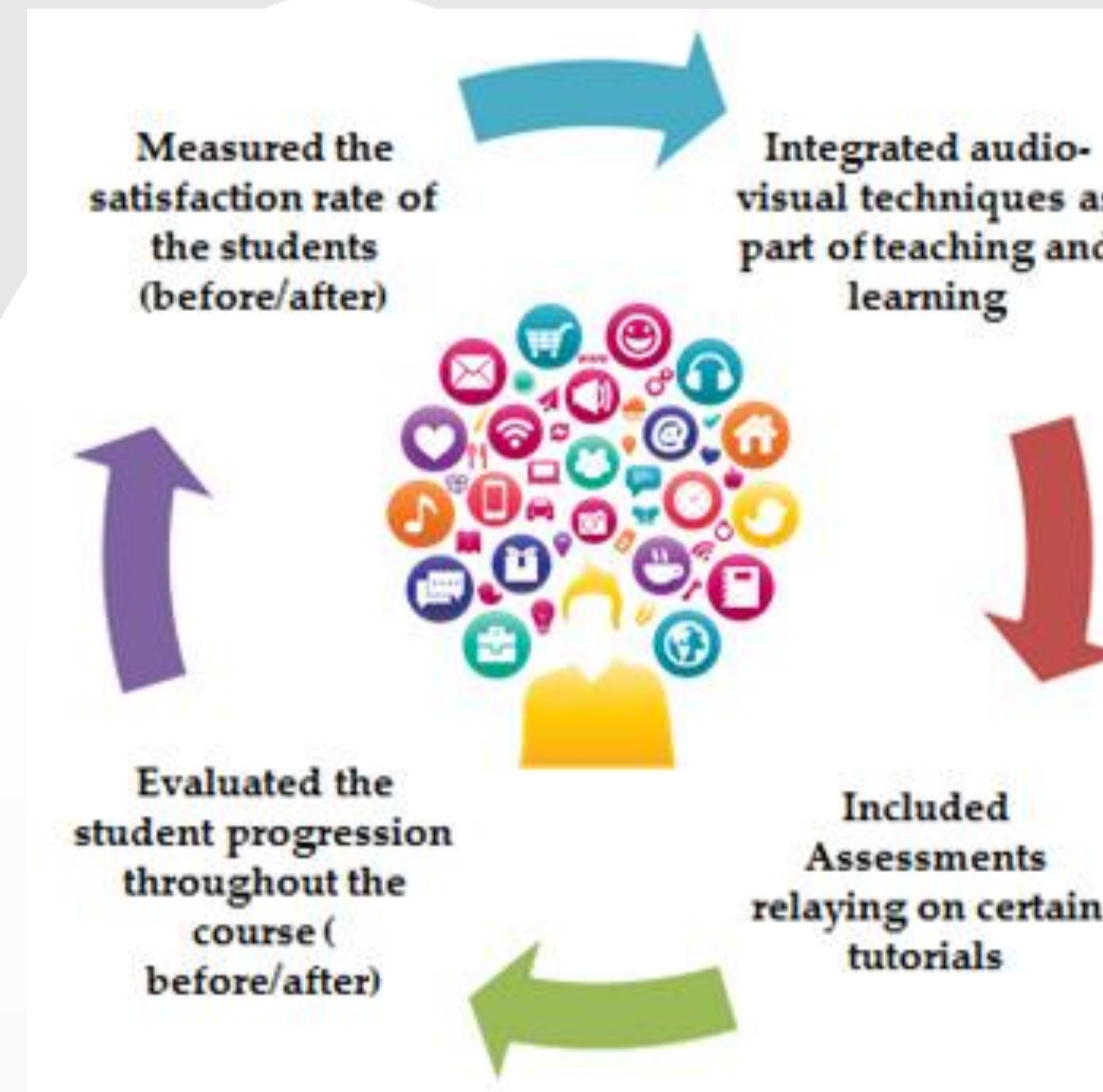
According to (Hinton 2013) Higher Education Institutions should develop new strategies towards teaching and learning to support the dynamic changes of the market needs. Recently, HEIs faced a paradigm shift towards adapting new methods of teaching learning to produce highly qualified graduates with life-long learning skills. Despite various research conducted to investigate teaching and learning methods and techniques, hardly any research was conducted to evaluate its effectiveness (Burden *et.al* (2015) Therefore this study aims to evaluate the effectiveness of audio-visual techniques as part of teaching and learning and will conclude with analysis based on before and after.

Literature Review

Potamianos *et. al* (2003) highlighted the importance of integrating audio-visual techniques as part of teaching and learning, various studies was conducted to measure the use of such techniques in supporting students with special needs as well as supporting students with prior learning. In addition (Murphy *et.al* 2002) also state that audio-visual techniques supports the students to develop additional skills such as life long learning; which is one of the employability skills on high demand . A Model was developed taking into account Self-Directed Learning Theory (Knowles, 1975) and Experiential Theory (Kolb *et. al* 1984).

The Model Testing

The model was tested in a class of ITCS101 which is directly linked to International Computer Driving License (ICDL) Professional Certification. The course was supported by 9 videos that were uploaded on Moodle, the video's was used as tutorials to support the students throughout proceeding with ICDL examination.

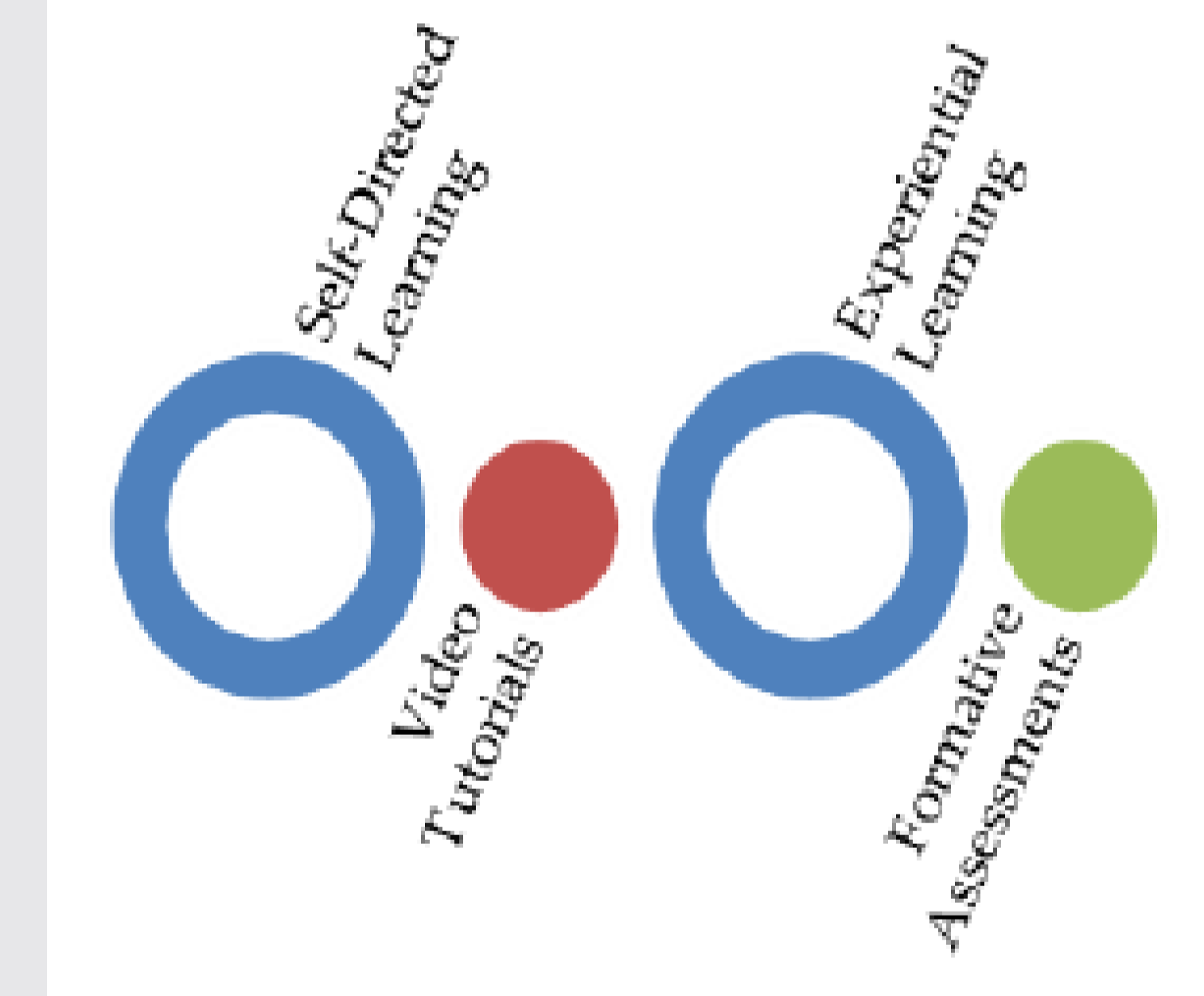


Section No.	Semester	No. of Students	Satisfaction Rate
1	1	130	53%
2	1	105	71%

Section No.	Semester	No. of Students	ICDL Pass Rate
1	1	130	41%
2	1	105	64%

The Findings

From the analysis it is evident that the video-visual techniques increase the student abilities towards achieving the learning goals, it is also more interesting to the students as it provides another environment of learning which builds up a life-long learning skills such as independent learning and experiential learning.



Further Recommendations & Improvements

- To be applied to all practical/ professional integrated courses
- To include the higher percentage of assessments relating on the tutorials to support independent learning (employability skills)