

# Technological Doping

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**Abstract**—Today winning in sports is highly competitive at any stage and there is a constant search to develop new ways leading performance enhancement. Scientific advancements have of late greatly influenced the field of sports also thus there is analysis and discussions about a relatively new concept called technological doping in sports. The present paper aims in attempting to understand the actual meaning of technological doping and its implication on sports as on today.

**Index Terms**— technological doping, Physical educationist, sports.

## I. INTRODUCTION

Today winning in sports is highly competitive at any stage and there is a constant search to develop new ways leading performance enhancement. Scientific technological advancements have of late greatly influenced the field of sports also, thus there is analysis and discussions about a relatively new concept called “**technological doping in sports**”.

Technological doping as described by the WADA (world Anti Doping Agency) is use of technologically engineered equipments by a sportsperson to gain competitive advantage over his competitors. These advanced equipments have posed both advantages and disadvantages in the field of sports which is duly discussed in this paper. These equipments have greatly increased the performance but paved way to the discussions of them being against to the spirit of sports.

## II. OBJECTIVITY

The present paper is an attempt to bring out the consensus of sports fraternity about adaptation to technological doping.

## III. METHODOLOGY

A group of 40 Post graduation students and 40 sports persons who represented university, state or nation were selected for the present study. A small clinic was conducted to enlighten the selected sports persons and physical education scholars about the meaning of technological advancements and doping, its implications on performance, advantages and consequences, disadvantages and hazards. A questionnaire was prepared after consulting the experts in the field of physical education, which comprised the following questions

1. Do we need technological doping 0074o break the barriers of human oriented performance?  
YES/ NO
  2. Do we need to think about to bring a change in the philosophy underlying the sports by adopting technological doping? YES/ NO
  3. Does utilizing technology doping in common by all sports men be allowed to bring out the best results?  
YES/ NO
  4. Will u personally use scientifically engineered technology to improve your performance if it is financially affordable or sponsored? YES/ NO
  5. Will u personally use scientifically engineered technology to improve your performance even if it is non degradable and a threat to environment? YES/ NO  
If yes state the reason
  6. Will u personally use scientifically engineered technology to improve your performance even if it has future consequences on your health for all the laurels the success in sports would bring? YES/ NO  
If yes state the reason
- Simple statistics of representing the data in percentages were used to analyze the results obtained through administration of questionnaire.

TABLE I. ANALYSIS OF ANSWERS TO THE ITEMS IN THE QUESTIONNAIRE IN TERMS OF PERCENTAGE

Item No.	Percentage Of Yes		Percentage Of No	
	Phy. Edn Schlr	Sports Person	Phy. Edn Schlr	Sports Person
01	30%	80%	70%	20%
02	15%	49.5%	85%	50.5%
03	40%	90%	60%	10%
04	95%	100%	5%	nil
05	33.75%	65%	66.25%	35%
06	75%	85%	25%	15%

#### IV. RESULT OF THE STUDY

*The results of the survey stated as follows*

70% of Physical education scholars said they did not need technological doping to break the barriers of human oriented performance. 80% of the sports persons also felt the same.

85% of Physical education scholars said they did not need to think about to bring a change in the philosophy underlying the sports by adopting technological doping 50.5% of the sports person also felt the same, while 49.5% of the sports person stated there was a need to think about to bring a change in the philosophy underlying the sports by adopting technological doping.

60% of Physical education scholars said no and 40 % of them said yes to allowing utilization of advanced technology in common by all sports men bring out the best results and only 10% of the sports persons said no while 90% of them were for utilization of technological doping in common by all sports men bring out the best results.

95% of Physical education scholars and all 100% of sports person said they would personally use scientifically engineered technology to improve their performance if it is financially affordable or sponsored.

33.75% of Physical education scholars and all 65% of sports person said they would personally use scientifically engineered technology to improve their performance even if it is non degradable and a threat to environment. While 66.25% of Physical education scholars and all 35% of sports person said vice versa. The major reason they stated for using these equipments was because they would not account in huge to affect any major environmental problems.

75% of Physical education scholars and 85% of sports person said they would personally use scientifically engineered technology to improve their performance even if it had future consequences on their health for all

the laurels the success in sports would bring. While only 25% of Physical education scholars and all 15% of sports person said vice versa. And the major reason for this was they thought they were ready to compromise their health in the long run for the glory and success in sports.

#### V. CONCLUSION

The result of the study is alarming. As the thinking of the two groups of people selected to represent the sports fraternity in this study should be considered seriously as when the concepts of the technological advancements are spoken in general terms though we see a rejection for its acceptance, but when it comes to personal matters and when individuals are lured with success, we can see them accepting and if given an opportunity they would utilize and adopt technological advancements for gaining advantage over other competitors. Hence there is a need to bring in standards and curbs upon the utilization of these technological advancements to protect the spirit of sports in its true terms.