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Ziyakhanov M.U.

Candidate of physical and mathematical sciences,
director of the Institute of Heat Power Engineering and Heat Engineering

Kyzgarina M.T.

PhD, the head of Technical physics department

Nauryzbayeva G.K.

Senior teacher of the Department of Technical Physics

Almaty University of Power Engineering and Communications
Kazakhstan, Almaty

A ROLE OF THE INFORMATIONAL TECHNOLOGY FOR STUDENT'S SELF STUDY WORKS

In the given work it is considered information sphere (infosphere) as a basis for improvement of the bachelor independent work quality. In conditions an infosphere there is an opportunity of each student attraction to independent expedient activity in a field of knowledge promoting purchase of vital skills, initiating a personal growth and an individual development, interpersonal dialogue and interaction.

Key words: *infosphere, knowledge, skill, independent work, motivational humour, thinking.*

Last years only the complex and system account of all sides of training process will allow to put and plan correctly ways of the decision of the main task of the higher school theory and practice – an improvement of quality of the bachelor independent work in educational process. As is known the kinds of independent work include reproductive, cognitive – search, creative.

Infosphere is an environment where the teacher informs, explains, illustrates, shows, involves and gives an opportunity for self-checking on all elements included in structure of the training program in concrete kinds of educational employment in information - activity training. So, for example, lecturers of our department during lecture classes use animation slides (their number at the department of physics more than a hundred) at all sections of physics and elective disciplines. All activities of the teacher to manage cognitive processes aimed at ensuring that an each student individually and consciously sought to perception, comprehension and mastery of educational material to the level of skill to use it in their future professional activity [1].

Independent work is carried out by students at lectures, practical and laboratory researches and hence the teacher should build beforehand system of independent work, taking into account all its forms and aims selecting the educational and scientific information thinking over a role of the student in this

process and self participation in it. Classroom independent work of the student on lecture employment includes a record and comprehension of lecture, performance of corresponding tasks and preparation for the following lecture; the decision of problems from methodical instructions or from textbooks, the decision of examinations on practical employment; acquaintance with the theory and devices of the given work, independently using for this purpose the special literature on laboratory classes.

Productivity of development by students of a teaching material is defined by planning and the control over teachers. For a semester the lecturer during lecture employment carries out two current controls, including 15 theoretical questions, problems and test tasks.

As all physical laws are established and checked by accumulation and comparison of experimental data the students independently perform the laboratory works beforehand given by the teacher. Performance of works in our laboratory includes three stages: preparation for experiment, carrying out of experiment and drafting of the report (figure 1).

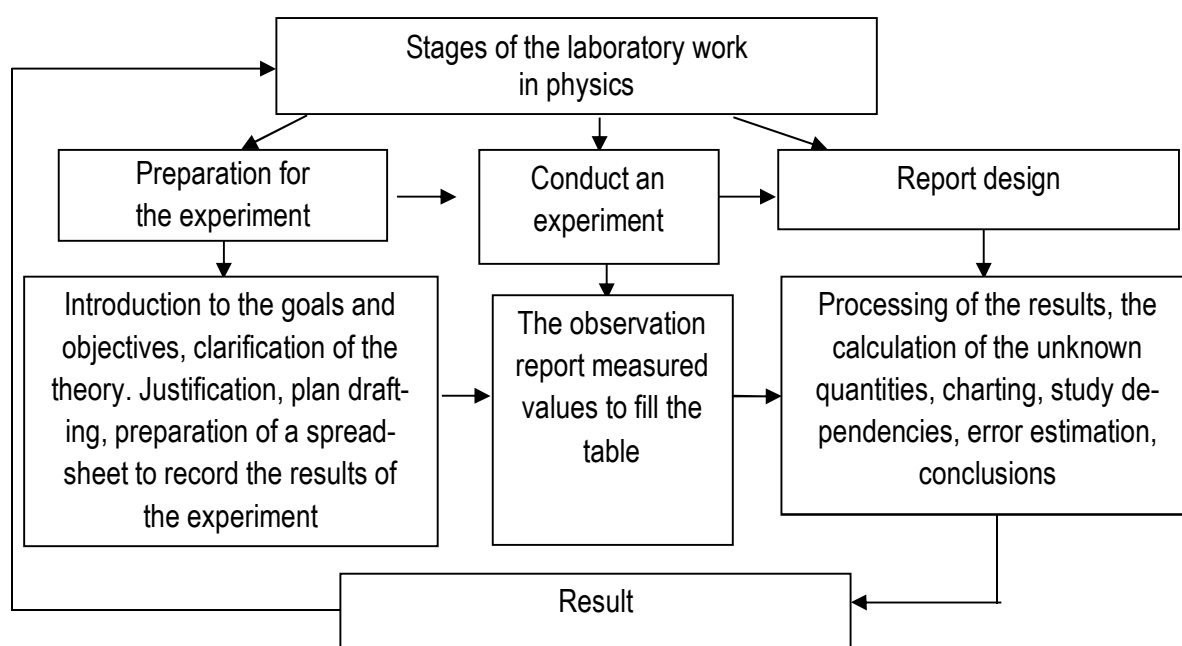


Figure 1. Stages of performance of laboratory works

Thus the maintenance of activity of the teacher on management independent work of students in infosphere consists in providing comprehension by each student of volume and the maintenance of forthcoming work and necessity of studying and mastering by this material, to give to each student of means and a technique of self-management and self-checking during independent work above a material, to provide adequate both duly quality assurance of training and corresponding adjusting influences [3–5].

Thus it is necessary for teacher to take care of infosphere creation: about the corresponding equipment of a workplace of each trainee, creation of the creative, working atmosphere, full maintenance of each student with all set of didactic means, the duly consulting help, an opportunity of constant supervision over work of each student.

All set forth above infosphere measures on increase of independent work, motivation, development of study-methodical maintenance, improvement of the organization and management of process of training, preparation and maintenance of control-adjusting actions are directed on involving of each student to independent, diligent, rational and productive study on mastering is more conscious the planned knowledge and skills.

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Зияханов М.У.

канд. физ.-мат. наук, директор Института теплоэнергетики и теплотехники

Кызгарина М.Т.

д-р филос. наук, зав. кафедрой технической физики

Наурызбаева Г.К.

ст. преп. кафедры технической физики

Алматинский университет энергетики и связи
Казахстан, г. Алматы

РОЛЬ ИНФОРМАЦИОННЫХ ТЕХНОЛОГИЙ В ВЫПОЛНЕНИИ САМОСТОЯТЕЛЬНЫХ РАБОТ СТУДЕНТОВ

В данной работе рассматривается информационная сфера (инфосфера) в качестве основы повышения качества самостоятельной работы бакалавра. В условиях инфосферы есть возможность привлечения каждого ученика к самостоятельной целесообразной деятельности в области знаний, способствующих приобретению жизненно важных навыков, инициированию личностного роста и индивидуального развития, межличностного общения и взаимодействия.

Ключевые слова: инфосфера, знание, умение, самостоятельная работа, мотивационный юмор, мышление.