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# EQUIVALENCY OF ENGINEERING DIPLOMA - AN ANALYTICAL VIEW

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## ABSTRACT

Since the diploma in engineering has been three year duration after the high school and two year after intermediate or ITI, and these diploma holders pursue the four year engineering degree course under lateral entry by three year, also the simple graduate pursue the same as three year engineering degree. So the engineering diploma holders be treated as analogous to simple graduation rather than intermediate as prescribed by state government order as equivalent to intermediate. Also seeing the next point of view of subjects studied by engineering diploma holders during three year span, are much more than intermediate or simple graduation. Also having industrial training of four weeks, diploma holders have some extra exposure of operation of equipments, production work process, storage / supply of product, manual gesture and tacking with industrial resources. So the emphasis is for the diploma holders be treated as analogous to simple graduation, which is the need of hour.

**Key words :** SCVT/NCVT-State /National Council of Vocational Training, Simple graduation-Bachelor of humanities/commerce/science, 10-High School, 10+2=High School+ Intermediate, 10+3=High School+Diploma, 12+2=Inter+Diploma, 12+3=Inter+Simple graduation, 12+4=Inter+Degree in engineering (10+3)+3=Diploma+Engg.Degree, (10+2+2)+3=Diploma+Engg.Degree, (10+2+3)+3=Simple graduation+Engg.Degree.

## 1. INTRODUCTION

Equivalent or analogous of certificates/diplomas/degrees are most commonly used term in education, which means the at par status of conferred attainments by any board, institutions or universities, so as in any job someone could apply accordingly in respective concern. At par indicates alike similar, however not equal. Sometime it may better or lesser valued. When original qualification bearers are insufficient, then weightage is given to equivalent qualification bearers. However in existing scenario, as open competitions are going on, hence

every, one bearing the same, is given opportunity to face open written exam and get selection.

Generally the intermediate certification is made available through state board/national board diploma from state technical board-covering all districts of the state, ITI from SCVT/NCVT and simple graduation from zonal university like CCS University, Lucknow University, Kanpur University Agra University, Rohilkhand University etc covering 4 to 5 district of the state.

So far the title is concern, wherein on the basis of duration, in pasts and in present as well as

qualification for engineering and above level course than ITI where basic qualification has been pre-metric or metric for ITI

For diploma basic qualification has been made as high school for three year duration course and intermediate/ITI as entry qualification for lateral entry to 2nd year for three year duration diploma course.

Means the diploma has 10(metric) + 3(duration)=13, or 12(inter/ITI)+2(duration)=14, while ITI has 10(metric)+2(duration)=12, and graduation in engineering has 12(inter)+4(duration)=16 and through its lateral entry to B.Tech. is 10(metric) +3(diploma) +3(duration) =16, or 12(inter/ITI) +2 (lateral entry diploma)+3 (duration lateral entry B.Tech.) =17 or 12(inter)+3(B.Sc.) +3 (duration lateral entry B.Tech.)=18

In past say up-to 1990, the simple graduation was for 2 years like B.A.,B.Com and B.Sc.at that time the duration include 10 (metric)+ 2(inter) +2(graduation)=14, but diploma has been three years since its beginning and include duration 10(metric)+3(diploma)=13.

So the diploma seems equal to graduation because in State University of U.P. merges diploma holders or B.Sc. holders in lateral entry to B.Tech. and for them their B.Tech becomes 3 years duration.

### 3. JUSTIFICATION IN TABULATION FORM

The details of course duration represents in following manner.

10 + 3 =13 means metric plus diploma

or

12 +2=14 means inter plus Lateral Entry diploma

Here 13=14 as both duration serves DIPLOMA.

Also 13 +3=16 means diploma plus Lateral Entry B.Tech is equal to 12+3+3=18, means Inter plus B.Sc plus Lateral Entry B. Tech.

Here the term can be under stood easily in following manner.

number of subjects and on industrial demand basis, have been put up before readers on individual data to highlight diploma in engineering vis-a vis entry to intermediate versus simple graduation. The author has been indulged in technical education and has been since long pasts and after having working in technical teaching, fairly and experience in technical teaching, fairly and experience inclined towards the promotion of technical education and justified his pros to make technical diploma to the viable attainments. Since the examination procedure is in semester wise in intermediate, diploma and in simple graduation, hence no any matter exist with equivalent. So far the subjects are concerned, it has been observed that intermediate has 5 subjects plus respective practical in physics, chemistry and biology. In diploma in engineering there are more than 30 subjects and almost all subjects have practical. In simple graduation it has been observed that there are approximately 28 subjects including practical. Seeing this difference it may be noticed that engineering diploma may be treated at par with simple graduation. Also the subjects in diploma are diversified in nature, while in intermediate and simple graduation, little diversification is there. Diploma being technical is more liking in demand, because of job opportunities are much more than intermediate as well as simple graduation. Also industrial requirement for job wise and operation of equipment wise as well for diploma holders seem much more for diploma holders. Because diploma holders have four weeks industrial training, where they learn different aspects during internship, like punctuality, operation of machinery, handling of equipment, liason with concern staff, working condition, production process, supplying chain, financial things and over all culture within industry etc. So they have good exposure of surroundings.

However only on duration base justification has been made through illustration to cover the title of paper.

### 2. JUSTIFICATION

Diploma in engineering of three years duration is the lower course than graduation in engineering like B.E./B. Tech./B.sc.(engineering) of four year duration after intermediate as base

10= Metric

10 +2=12=Inter=ITI

(10+2)+3=15=Intermediate +simple graduation.

(10+2)+4=16= intermediate + Engineering Graduate

10+3=13=Diploma in engineering

(10+2)+2=14=Intermediate /ITI +Diploma in engineering

(10+3)+3=16=diploma +B.tech.

(12+2)+3=17=diploma +B.tech.

(12+3)+3=18=simple graduation +B.Tech.

Here as cited above through duration of course, it is clear that

13=14=diploma in engineering (10+3=13=Diploma in engineering, (10+2)+2=14= Intermediate /ITI + Diploma in engineering)

16(13+3)=16(12+4)=17(12+2+3)=18(12+3+3)=B.Tech.

Or 16=18 or 17=18 or 16=17=B.Tech.

Also 12+3=15=Simple graduation.

- (1) Here 13=14 as happening for diploma course.
- (2) 16=16=17=18 as happening for B.Tech.
- (3) Then why not 13=14=15=diploma in engineering =B.Sc.

As 15=16=17, respectively stands duration for simple graduation =B.Tech.= graduation in medical. As any graduation is equivalent whether it is in humanities, commerce, science, engineering, medical, fine arts, law, computers, management, education, pharmacy and music too even, and all above courses have same status at Post graduate level and doctoral level as well, whether Ph.D. in any field.

Though a general tendency exists with society that humanities have post graduation in the same trade, while commerce have in its trade and humanities too, while Science has P.G. in humanities, commerce and science itself too. Similarly engineering and medical have vast horizons and may go in any field. However it is better for all to have competency in open competitions held for everyone for any graduates. Those having versatility may crack the competition and get the post. Their modus operandi may be something different, however their decision making should be clear and dependent on presence of mind.

#### 4. CONCLUSION

Considering the duration of course and seeing the course content as well as number of subjects of diploma in engineering, it seems relevant to equivalent the diploma in engineering to simple graduation rather than intermediate, as it being technical qualification which includes the science and mathematical concept and engineering concepts too, be given the status of simple graduation. On cited grounds, no doubt diploma holders to be given the analogous status of simple graduation. In existing scenario it is the need of hour to justify their knowledge and skills. Also to balance the educational system, it is a matter of again looking over this, to authenticate it parallel to simple graduation.

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