Launch of B. Voc. Program in 9 Govt. Institutes of Technology under the Aegis of Directorate of Training & Technical Education

Shailesh Kumar Trivedi

Dy. Director (TE/SD) & Faculty (Mech. Engg.), DTTE, Govt. of Delhi, India
E--mail: shailesh.trivedis@yahoo.com

Abstract—The skill development based higher education leading to Bachelor of Vocation (B. Voc.) degree with multiple exits such as Diploma Vocational (D. Voc.)/Advanced Diploma was launched for the students of Delhi. This would enable the pass outs of B. Voc. Programme at various levels to contribute in accelerating India's economy by gaining appropriate employment or becoming successful entrepreneurs. For this purpose, B. Voc. courses in 10 disciplines with 50 intakes each was launched in 2015-16. Total 950 seats were added for B. Voc. Programme in 9 Institutes of Technology affiliated to GGSIP University. Post creation of 234 posts of faculty and 108 staff for these courses was approved by the Government. This paper narrates the procedure adopted by the Department of Training and Technical Education officers and faculties with the help of GGSIP University Dean and Professors and further outcome of the whole effort in record time.

1. INTRODUCTION

It has been a long felt necessity to align higher education with the emerging skill needs of the society and incorporate the requirements of various industries. Earlier researcher [1] has emphasized in their studies that vocational education reduces the risk of youth unemployment. The University Grants Commission has launched a scheme on skills development based on higher education leading to Bachelor of Vocational (B.Voc.) degree. The details of UGC guidelines for introduction in Universities and colleges are available at Ref [2-3]. UGC on its website has also listed the proposed list of B. Voc degree program trades. [4]. Another list of identified trades approved for various courses under the scheme of B. Voc degree program is published by Government and available at Ref [5]. The UGC guidelines for curricular aspect, assessment criterion, and credit system in skill based vocational course under NSQF are available at Ref [6]. In view of the changing needs of the society and as per various guidelines and directives issued by the UGC, Delhi Govt. institutes were upgraded into an integrated model for offering degree as well as diploma level education to the youth of Delhi. Since these institutes (previously known as Polytechnics) have been offering vocational and technical education for many years, the infrastructure as well as expertise of the faculty in various areas of emerging skills were utilized for the benefit of the society. Process of affiliation was started with the GGSIPU and finally University affiliated these institutes.

2. DETAIL DESCRIPTION OF B. VOC COURSE

Bachelor of Vocational (B. Voc.) programmes, affiliated to GGSIPU was launched in 9 Govt. Institute of Technology under the aegis of Directorate of Training & Technical Education, Govt. of NCT of Delhi from the academic year 2015-16. B. Voc. is a new skill based under graduate level degree programme. This Programme is being launched as a Pilot Project in the following highly demanding sectors:

1. Automobile Engineering
2. Refrigeration & Air- Conditioning
3. Power Distribution Management
4. Printing Technology
5. Software Development
6. Mobile Communications
7. Applied Arts
8. Interior Design
9. Construction Technology

Total 950 seats have been created in B. Voc. Courses for the students of Delhi to get an opportunity to take admission in skill based education program under a University system.

3. ADDITIONAL JOB OPPORTUNITY IN B. VOC COURSES

Total 234 new Posts of teaching Faculties and 108 non-teaching staff for B. Voc. programmes have been created. Thus young engineers will get fresh job opportunity for teaching in B. Voc courses.

4. EXTENSIVE ADVERTISEMENT FOR ADMISSION IN B. VOC COURSES

Extensive advertisement was done for admission to B. Voc course through advertisement in Hindi, English News paper, FM Radio etc. candidates were advised to check University website for applying online, i.e. www.ipu.ac.in

5. ORGANISATION OF OPEN HOUSE AT GGSIP UNIVERSITY FOR CREATING AWARENESS ABOUT THE B. VOC COURSES

The B. Voc programme which is first of its kind in the country, launched by any University under skill development. The degree will be offered as B. Voc and this nomenclature does not gel well with the conventional programmes B.A., B. Com., B. Sc. etc. Hence University organised open House to invite students and their parents to attend the awareness programme through open house so that the students can take a proper decision in this regard. Question and Answer sessions were also conducted. All the Principals and faculty members/teachers/staff/ of various schools/Polytechnics/ITI/Institutes of Technology were invited to attend the open house. Thus, University warmly invited the parents and students in the awareness programme and it was attended by a large number of students along with their parents. This activity has helped in wide publicity of B. Voc Program for the youth of Delhi to promote vocational/skill education.

6. ELIGIBILITY CRITERION AND AGE LIMIT

12th Pass with 50% with Science Stream /non science Stream, or,

10th followed by 2year ITI Students (in analogous trades).

The Age Limit is from 16 Years to 45 Years.

7. KEY HIGHLIGHTS OF B. VOC PROGRAM

Curricula / Syllabi were prepared by the Academia Experts and Industry Experts. The curriculum is based on the AICTE and UGC under National Skill Qualification Framework (NSQF). Program has Multi Entry Multi Exit Options. Highly qualified and experienced Trainers/faculty is available in all Institutes of Technology.

8. CONCLUSION

The continuous effort of Officers from DTTE and with the support of GGSIPU Dean and professors, the B. Voc program was launched first time in Polytechnics currently named as Institutes of Technology. This effort has lead to start of a new vocational degree course as per directives of UGC in record time.

Following is the outcome of the B. Voc Project.

(1) Introduction of B.Voc./D.Voc. Programmes in Institutes under DTTE:
The skill development based higher education leading to Bachelor of Vocation (B.Voc.) degree with multiple exits such as Diploma Vocational (D. Voc.)/Advanced Diploma was launched for the students of Delhi. This would enable the pass outs of B. Voc. Programme at various levels to contribute in the accelerating India's economy by gaining appropriate employment or becoming successful entrepreneurs. For this purpose, B. Voc. course in 10 disciplines with 50 intakes each was launched in 2015-16. Total 950 seats were added for B. Voc. Programme in 9 Institutes of Technology affiliated to GGSIP University.

(2) Post Creation of 234 Posts of Faculty and 108 Staff for B. Voc Courses:
A proposal was sent to A.R. Department for creation of 234 Posts of Lecturer (Faculty) for teaching in B. Voc. and accordingly posts of various other supporting non-teaching staff was proposed in order to run B. Voc. courses in all Institutes. Government has accorded the approval for 234 posts of faculty & 108 staff for B. Voc. This led to new job opportunities for talented technically qualified youths.

9. ACKNOWLEDGEMENT

REFERENCES

[1] Tatiana, B., Svetlana B., Victor R.," Vocational education in the system of determinants of reducing youth unemployment: Inter regional comparison" , Procedia-Social and Behavioral Sciences, Elsevier, 215, 5 December 2015,pp. 526-534.

[2] UGC Guidelines for B. Voc, http://www.ugc.ac.in/pdfnews/8508026_Guidelines-on-B-Voc_Final.pdf

[3] Guidelines for Introduction of Bachelor of Vocation Program, http://www.ugc.ac.in/pdfnews/8083296_B-Vocation-ver-0.4-Final.pdf

[4] Trades identified for B. Voc scheme published by UGC, http://www.ugc.ac.in/skill/Trades/Trades%20under%20B.Voc.pdf

[5] Identified trades under the scheme of B. Voc, http://www.ugc.ac.in/pdfnews/Indentified%20trades%20%20under%20the%20scheme%20of%20B.Voc.pdf

[6] UGC GUIDELINES FOR CURRICULAR ASPECTS, ASSESSMENT CRITERIA AND CREDIT SYSTEM IN SKILL BASED VOCATIONAL COURSES UNDER NATIONAL SKILLS QUALIFICATION FRAMEWORK (NSQF), http://www.ugc.ac.in/pdfnews/6925009_SkillNSQF.pdf