

Employment Generation thru VET

VET means Vocational Education & Training

Notes & Observations:

1. An attempt has been made to broadly explain the main areas of the world economy where trained manpower resources are required.
2. The world economy is generally divided into approximately **23 to 25 Major Enterprise Groups**
3. These 23 to 25 Major Groups are further sub-divided into **200 to 210 Minor Enterprise Groups.**
4. These 200 to 210 Minor Groups are further expanded to cover about **6000 to 7000 distinct areas of the world economy**, where trained manpower is required with appropriate VET qualifications.
5. This below stated list is based on the manner the various enterprises and VET courses are segmented in the U.K. Different countries will have different lists, but in essence the total number of major courses will nearly be the same.
6. **Different countries and regions** would have different enterprises and accordingly different VET courses to service these enterprises.
7. The figures shown in brackets, at the right hand side of each category, indicate the total number of courses in that category.
8. The 5114 Industrial Training Institutes, **ITI's**, under the Ministry of Labour & Employment have identified about 153 different VET courses.
9. The actual number of VET courses being imparted within the country is probably much higher, since VET courses are being also imparted by the Ministry of HRD, Agriculture, Commerce, Industry and others. Information on these is not freely available and has not been documented for public use.
10. **Private initiatives** are also imparting many VET courses, under the major sectors. Information on these is not properly catalogued.
11. Large organizations within the organized sector both Public and Private also impart dedicated VET courses within their own organizations for their own use. Information on these is not properly catalogued.
12. VET courses are also being imparted in the informal, rural, village and semi urban sector. Information on these is not properly catalogued.
13. We will have to formalize our lists **block-wise, district-wise** and **state-wise**, depending upon the resources and enterprises in that local area.
14. Any compilation of such courses will be under constant revision both in the content as well as in the total number of courses, based upon the actual status of economy and needs of the local area at any given point of time.
15. Based on the above observations the below mentioned list should only be considered as an indicative one. **To be used as a basis for further planning and as a starting point for future action.**
16. In most developing and developed countries, nearly 7% to 9% of the working population would be undergoing some sort of VET courses. This translates to about 35 to 39 million people per year within India undergoing VET at any given time!
17. Human resources need constant up gradation and retraining.
18. It is quite possible for people to undergo many VET courses during a lifetime or work. VET courses must provide for both lateral as well as vertical mobility.

A. Business / Management / Office Studies {12}

1. Business / Finance (General) {9}
2. Management (General) {19}
3. Public Administration {3}
4. International Business Studies / Briefings {22}
5. Enterprises {22}
6. Management Skills {39}
7. Management Planning & Control Systems {23}
8. Human Resource Management {29}
9. Financial Management / Accounting {52}
10. Financial Services {19}
11. Office Skills {21}
12. Typing / Shorthand / Secretarial Skills {25}

B. Sales Marketing & Distribution Marketing {6}

13. Export / Import {13}
14. Marketing / PR {27}
15. Retailing / Wholesaling / Distribution Trades {17}
16. Retailing / Distribution: Specific Trades {14}
17. Sales Work {10}
18. Physical Distribution {15}

C. Information Technology & Information {9}

19. Computer Technology {57}
20. IT: Computer Science / Programming / Systems {82}
21. IT: Computer use {13}
22. Using Software & Operating Systems {625}
23. Text / Graphics / Multimedia Presentation Software {192}
24. Software for Specific Applications / Industries {46}
25. Information Work / Information Use {7}
26. Information Systems / Management {22}
27. Libraries / Librarianship {28}

D. Humanities (History) / Archaeology / Religious Studies / Philosophy {4}

28. Humanities / General Studies / Combined Studies {12}
29. History {62}
30. Archaeology {46}
31. Religious Studies {61}

E. Politics / Economics / Law / Social Sciences {5}

32. Government / Politics {39}
33. Economics {41}
34. Law {74}
35. Social Sciences General / Combined {7}
36. Social Studies {43}

F. Area Studies / Cultural Studies / Languages / Literature {5}

37. Culture / Gender / Folklore {19}
38. Literature {49}
39. Linguistic Studies {23}
40. Languages {303}
41. Cultural / Area / Social / Diaspora Studies {290}

G. Education Training / Teaching {6}

42. Education Theory / Learning Issues {39}
43. Teaching / Training {73}
44. Teaching / Training: Specific Issues {167}
45. Education School Organization {22}
46. Training / Vocational Qualifications {18}
47. Careers / Education Guidance Work {8}

H. Family Care / Personal Development / Personal Care & Appearance {10}

48. Self Development {24}
49. Career Change / Access {24}
50. Continuing Education (Basic Skills) {14}
51. Personal Finance / Consumerism / Rights {21}
52. Parenting / Careers {33}
53. Disabled People: Skills / Facilities {23}
54. Crisis / Illness / Self Help {27}
55. Personal Health / Fitness / Appearance {24}
56. Therapeutic Personal Care {5}
57. Hair / Personal Care Services {19}

J. Arts & Crafts {12}

58. Art Studies / Fine Arts {31}
59. Art Techniques / Practice {32}
60. Design (Non-Industrial) {10}
61. Museum Gallery / Conservation Skills {10}
62. Collecting / Antics {36}

- 63. Crafts: Leisure / General {14}
- 64. Decorative Leisure Crafts {19}
- 65. Decorative Metal Crafts / Jewelry {13}
- 66. Fashion / Textiles / Clothing Craft {21}
- 67. Fabric Crafts / Soft Furnishings {24}
- 68. Wood Cane & Furniture Crafts {19}
- 69. Glass / Ceramics / Stone Crafts {13}

K. Authorship / Photography / Publishing Media {8}

- 70. Communication / Media (General) {16}
- 71. Communication Skills {10}
- 72. Writing (Authorship) {21}
- 73. Journalism {17}
- 74. Photography {11}
- 75. Film / Video Production {8}
- 76. Audio & Visual Media {4}
- 77. Print & Publishing {49}

L. Performing Arts {9}

- 78. Performing Arts (General) {1}
- 79. Dance {43}
- 80. Theatre & Dramatic Arts {13}
- 81. Variety Circus & Modeling {12}
- 82. Theatre Production {11}
- 83. Music History / Theory {18}
- 84. Music of Specific Kinds / Cultures {49}
- 85. Music Performance {43}
- 86. Music Instrument Technology {7}

M. Sports Games & Recreation {9}

- 87. Sports Studies / Combined Sports {23}
- 88. Air Sports {10}
- 89. Water Sports {34}
- 90. Athletics Gymnastics / Combat Sports {27}
- 91. Wheeled Sports {17}
- 92. Winter Sports {29}
- 93. Ball & Related Games {36}
- 94. Country / Animal Sports {51}
- 95. Indoor Games {16}

N. Catering / Food / Leisure Services / Tourism {11}

- 96. Hotel Catering (General) {26}
- 97. Food Drink Services {16}
- 98. Catering Services {26}
- 99. Hospitality Services {12}
- 100. Baking / Dairy / Food & Drink Processing {34}
- 101. Cookery & Home Economics {29} & {4}
- 102. Food Science / Technology {19}
- 103. Tourism / Travel {16}
- 104. Leisure / Sports Facilities Work {17}
- 105. Country Leisure Facilities Work {10}
- 106. Arts / Culture / Heritage Administration {9}

P. Health Care / Medicine / Health & Safety {15}

- 107. Health Care Management / Health Studies {35}
- 108. Medical Sciences {49}
- 109. Complementary Medicine {10}
- 110. Paramedical Services / Supplementary Medicine {12}
- 111. Medical Technology / Pharmacology {24}
- 112. Dental Services {23}
- 113. Ophthalmic Services {5}
- 114. Nursing {37}
- 115. Semi-Medical / Physical / Psycho / Therapy {16}

- 116. Psychology {27}
- 117. Occupational Health & Safety {36}
- 118. Social Care / Social Work Skills {18}
- 119. Family / Community Work {53}
- 120. Crisis Support / Counseling {17}
- 121. Child Care Services {8}

Q. Environment Protection / Energy / Cleansing / Security {8}

- 122. Environment Protection / Conservation {37}
- 123. Energy Economics / Management / Conservation {22}
- 124. Pollution / Pollution Control {17}
- 125. Environmental Health / Safety {10}
- 126. Cleansing {13}
- 127. Funerary Services {4}
- 128. Security {25}
- 129. Fire Prevention / Fire Prevention {4}

R. Sciences & Mathematics {8}

- 130. Science & Technology (General) {20}
- 131. Mathematics {92}
- 132. Physics {57}
- 133. Chemistry {39}
- 134. Astronomy {11}
- 135. Earth Sciences {47}
- 136. Land & Sea Surveying / Cartography {24}
- 137. Life Sciences {92}

S. Agriculture Horticulture & Animal Care {14}

- 138. Agriculture / Horticulture (General) {7}
- 139. Agricultural Sciences {16}
- 140. Crop Protection / Fertilizers / Byproducts {30}
- 141. Crop Production {76}
- 142. Gardening / Floristry / Plant Sales {27}
- 143. Amenity Horticulture / Sports Ground {18}
- 144. Forestry / Timber Production {25}
- 145. Animal Husbandry {72}
- 146. Fish Production / Fisheries {18}
- 147. Agricultural Engineering / Farm Machinery {27}
- 148. Agricultural / Horticultural Maintenance {32}
- 149. Rural / Agricultural Business Organizations {20}
- 150. Veterinary Services {13}
- 151. Pets / Domestic Animal Care {18}

T. Construction & Property (Built Environment) {11}

- 152. Built Environment(General) {1}
- 153. Property: Surveying / Planning / Development {42}
- 154. Building Design / Architecture {18}
- 155. Construction (General) {11}
- 156. Construction Management {12}
- 157. Building / Construction Operations {61}
- 158. Building Services {44}
- 159. Interior Design / Fitting / Decoration {9}
- 160. Construction Site Work {24}
- 161. Civil Engineering {54}
- 162. Structural Engineering {6}

V. Services to Industry {6}

- 163. Production / Operations Management {13}
- 164. Purchasing / Procurement & Sourcing {11}
- 165. Quality & Reliability Management {18}
- 166. Industrial Control / Monitoring {24}
- 167. Industrial Design / Research & Development {27}
- 168. Engineering Services {13}

W. Manufacturing Production Work {12}

- 169. Manufacturing(General) {8}
- 170. Manufacturing / Assembly {13}
- 171. Instrument Making / Repair {6}
- 172. Testing Measurement & Inspection {20}
- 173. Chemical Products {14}
- 174. Glass / Ceramics / Concrete Manufacture {22}
- 175. Polymer Processing {16}
- 176. Textiles / Fabrics (Industrial) {27}
- 177. Leather Footwear & Fur {9}
- 178. Woodworking / Furniture Manufacture {16}
- 179. Paper Manufacture {12}
- 180. Food / Drink / Tobacco (Industrial) {39}

X. Engineering {15}

- 181. Engineering / Technology (General) {14}
- 182. Metals Working / Finishing {23}
- 183. Welding / Joining {35}
- 184. Tools / Machining {21}
- 185. Mechanical Engineering {48}
- 186. Electrical Engineering {23}
- 187. Power / Energy Engineering {42}
- 188. Electronic Engineering {49}
- 189. Telecommunications {33}
- 190. Electrical / Electrical Servicing {16}
- 191. Aerospace / Defense Engineering {28}
- 192. Ship & Boat Building / Marine / Offshore Engineering {23}
- 193. Road Vehicle Engineering {28}
- 194. Vehicle Maintenance / Repair {34}
- 195. Rail Vehicle Engineering {8}

Y. Oil / Mining / Plastics / Chemicals {5}

- 196. Mining / Quarrying / Extraction {27}
- 197. Oil & Gas Operations {14}
- 198. Chemicals / Materials Engineering {26}
- 199. Metallurgy / Metals Production {19}
- 200. Polymer Science / Technology {15}

Z. Transport Services {8}

- 201. Transport (General) {11}
- 202. Freight Handling {13}
- 203. Aviation {35}
- 204. Marine Transport {66}
- 205. Rail Transport {16}
- 206. Driving / Road Safety {18}
- 207. Road Transport Operation {18}
- 208. Motor Trade Operations {7}