

PREFACE

Curriculum document is a comprehensive plan of any educational programme. It is also one of the means for bringing about qualitative improvement in any programme. Under the Chairmanship of Financial Commissioner and Principal Secretary of Technical Education, Government of Haryana, a one day workshop was organized at Technical Teachers' Training Institute (TTTI), Chandigarh on 21 January, 2003 in which the senior officers from Directorate of Technical Education/Board of Technical Education Haryana, Principals and Head of Departments from polytechnics of Haryana and faculty from TTTI, Chandigarh participated and deliberated upon various issues, for bringing about qualitative improvement in the technician education system in the state of Haryana. One of the out-standing and unanimous decision of the above workshop was to review the curricula of all the diploma programmes being offered in the State of Haryana especially with a view to include appropriate levels of courses in applied sciences, mathematics, computers, engineering sciences and courses relevant to the present day scene of changing technologies. As a follow-up of the above workshop, a request was received by this Institute on May 16, 2003 to revise all the curricula of various diploma programmes in Haryana and it was decided that to begin with, this institute would work-out the course structure and detailed contents for the first year of various diploma programmes to enable Haryana polytechnics to implement these from the current session 2003 – 2004 in order to catch up with the technological developments taking place in the industry/field organizations.

The document is based on the feed back from industry/field organizations for wage and self-employment opportunities for the diploma holders in Ceramic Engineering in large, medium and small scale industries. While suggesting employment opportunities for the diploma holders, the three sectors i.e. primary, secondary and tertiary sectors of employment opportunities were kept in mind. The document contains the study and evaluation scheme and detailed contents for the first year only to enable the Haryana Polytechnics to implement the revised curriculum from the current year itself. The total study and evaluation scheme for the three years alongwith detailed contents shall be worked-out in subsequent workshops during the session 2003 – 2004.

While working out the detailed contents and study and evaluation scheme, the following important elements have been kept in mind:

- i) Major employment opportunities of the diploma holders
- ii) Competency profile of the diploma holders with a view to meet the changing needs of technological developments and requirements of the employer
- iii) Vertical and horizontal mobility of the students for their professional growth

(ii)

- iv) A rational approach for all the curricula of diploma programmes in engineering and technology in the state of Haryana

The document is an outcome of the feedback received by this institute from the experts during the workshop who represented industry, higher education, research and development organizations, polytechnic faculty and TTTI faculty.

We hope that the curriculum document for the first year will be useful in turning out competent diploma holder in Ceramic Engineering and for this, concerted efforts are required at all levels to create a conducive environment in the polytechnics with appropriate physical, human and financial resources required to implement the curriculum

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