

INDIAN BUILDINGS CONGRESS
6th Annual Convention and National Seminar on
Education and Training of Building Professionals
on 20-22, April, 2000 Vigyan Bhawan

CONTENTS

PLENARY SESSION : EDUCATION AND TRAINING OF BUILDING PROFESSIONALS

- I. Education and Training of Building Professionals and Workers:
An Overview
Prof. Ashoka Chandra
- II. Construction Industry Development – Human and Institutional Aspects
Shri V. Suresh
- III. Education and Training of Building Professionals
from User/ Industry Point of View
Dr. Som Datt
- IV. Quality and Sustainability of Education and Training of Building Professionals
Dr. H.C. Visvesvaraya
- V. Education & Training of Building Professionals – Distant and Flexi Education
Prof. Abdul W. Khan
- VI. Education & Training of Building Artisans (CIDC –IGNOU Model)
Shri P.R. Swarup
- VII. Education and training of Building Professionals – Students’ Point of View
S/Shri Dharma Teja Bobba, Dipanjan Bhattacharjee & Ashish Verma
- VIII. Student Over-view on Present Education Scenario for Building Professionals.
Shri Jatin Shah & Shri Vikas Mann

TECHNICAL SESSION –I : MANAGEMENT OF TECHNICAL EDUCATION

1. Manpower for Construction Industry; Civil Engineers and Architects
Shri M.S. Ramanujam & Shri K.Raghavan
2. Education and Training of Building Professionals
Shri S.S. Chakraborty
3. Educating the Future Architects – Problems and Prospects
Prof. Jitendra Singh & Prof. Gaurav Singh

4. Civil Engineering Education – Restructuring Thereof.
Shri S.C. Gupta
5. Accreditation: A Tool for Quality Assurance in Technical Institution
Shri Anil Kumar
6. Education and Training of Building Professionals at Diploma Level
Dr. S. Krishnamurthy, Prof. R. Subramanian, Prof. B.M. Dhir & Dr. L.N. Mittal
7. Civil Engineering Education, Research and Development : Need for Wider Industry – Institute Interaction
8. Role of Research & Development in Education and Training of Building Professionals – A Perspective
Shri K.R.S. Krishnan
9. Digital Imagine in Teaching Construction Process
Shri R. Gupta, Shri M.K. Bhatt & Shri M.K. Rohil
10. Architectural Education
Prof. Alok Ranjan, Ar. Ashok Pareek & Ar. Satish Pipralia
11. Obligations and Responsibilities of Technical Teachers
Prof. Anil Chotmarada
12. Building Construction Engineering as a Degree Course - A Need of the time
Prof. R.K. Khitoliya & Shri A.K. Sen
13. Research, Industry and Institute Interaction for Human Resource Development of Building Professionals
Shri O.P. Rao
14. Orienting Technical Education in 21st Century to Demands of Technological Society
Dr. C.S. Suryawanshi
15. Technical Education : Some Basic Issues
Shri Balvinder Singh

TECHNICAL SESSION – II : BUILDING SCIENCE EDUCATION – REVIEW OF CONTENTS

16. Innovative Design of technical Education with Particular Reference to Building Professionals
Shri Prem Saran Satsangi
17. Need and Technique of Value Engineering for Preliminary Design
Shri P.K. Ratho
18. Construction Management Education : A Fresh Look
Dr. (Ms.) A. Srividya & Shri Bhimaraya A. Metri
19. Building Science Education – E & M Services for Building Professionals.
Shri H.K. Munjal
20. Education Needs for Building Professionals
Shri P. Krishnan, Shri Virendra Kr. Paul, & Ms. Mamata R. Singh
21. Experience of Master Degree Programme in Building Engineering and Management in Development of Building Professionals
Dr. V. Thiruvengadam, Shri Virendra Kr. Paul & Ms. Mamata R. Singh
22. Coral Aggregate Concrete – What it is? Why is it to be included as a New Topic?
Shri K.K. Madan & Shri R.A. Arumugam
23. Need for Training on Repair/Rehabilitation of Concrete Structures
Shri J. Bhattacharjee
24. Energy Auditing in Buildings
Prof. Dulal Goldar
25. A Review of Educational Aspects on Fly Ash and its Characterisation
Dr. K. Venkatachalam, Shri M.L. Soni, Shri A.K. Sthapak & Ms. R.K. Venkatachalam
26. Environmental Education for Building Professionals
Shri J.K. Goel
27. R.C.C Repair : Vision & Strategies for 21st Century
Shri Sachin Kumar Agarwal & Shri Sanjay Kumar

TECHNICAL SESSION – III : IN SERVICE EDUCATION AND TRAINING

28. HRD Challenges for Construction Industry
Prof. P.B. Sharma, Ms. Sonali Saxena & Ms. Monica Saxena

29. Quality of Engineering Education, Training & Performance
Prof. B.M. Ahuja
30. Education of Building Professionals – Indian Railways View Point
Shri Vinod Kumar & Shri Rajesh Agarwal
31. Continuing Education Scheme for Architectural Engineers
Dr. P. Suryanarayana
32. In Service Education and Training – Sandwich Courses
Shri R.M. Ambadkar & Ms. S.A. Bhalchandra
33. Training of Building Professionals in C.P.W.D
Shri Deepak Narayan
34. Education and Training in Civil Engineering
Dr. K.M. Soni
35. Ambience in a Training Centre and its Impact on Training
Shri Shyam Narain
36. Excellence in Working of Building Professionals only by Rajyoga (Meditation)
Shri R.G. Dangayach
37. Disaster Management and Earthquake Resistant Design in Education -
A Structural Engineer's View Point
Prof. B.M. Ahuja & Shri Vipul Ahuja
38. A Model Training System for Engineers in Built Environment in Govt. Sector
Shri M. Balasubramanian, Shri V. Ramachandran & Shri N. Venkatramakrishnan
39. Value Engineering – A Saviour in the Present Competitive Globalised Scenario
Shri Sushil K. Bajaj

TECHNICAL SESSION –IV : EDUCATION AND TRAINING OF WORKMEN

40. Worker Training Schemes in Construction Trades
Prof. K.N. Vaid
41. Education and Training of Workers in the Construction Sector
Dr. H.S. Anand
42. Training and Retraining of Construction Workmen
Shri A.K. Sarkar

43. Training for Small Contractors
Shri Manmohan Verma & Shri C.L.N. Murthy
44. Education and Training of Artisans in Bundelkhand Region
Ms. Richa Angrish
45. Training for the dissemination of Construction Technologies -
Lessons from HUDCO /HSMI Experience
Ms. Gayatri Ratnam Rajesh
46. Education and Training of Construction Workmen
Shri Ali Farid
47. Workmen Training in Construction Industry in View of Global Competition
Dr. R.K. Khitoliya, Shri S.N. Meena and Shri Ravi Kapur

