

I. Research Papers Published in Journals and Conferences

1. Mandal J.N. and Dixit. R.K. (1986), “Under What Situations are the Geotextiles More Effective than Traditional Methods for Ground Improvement and Drainage”, Response paper to Indian Geotechnical Conference 1986, New Delhi, Vol.2, pp 195-199.
2. Mandal.J.N. and Dixit R.K.(1990), “An Approach to Design of Soil Geosynthetic Systems”, Fourth International Conference on geotextiles and Geomembrane, 1990, The Netherlands, p 161.
3. Dixit, R.K., and Mandal, J.N (1992)., “Finite Element Analysis on Stability of Geosynthetic Reinforced Soil”, Proceeding of Indian Geotechnical Conference on Geotechnique Today IGC-92 Vol. 1, Calcutta, December, pp. 259-260.
4. Dixit, R. K., and Mandal, J. N., (1993) “Bearing Capacity of Geosynthetic Reinforced soil Using Variational Method”, International Journal of Geomembranes, UK No1. 12, No.6, pp. 543-566.
5. Dixit, R.K., and Mandal, J. N., (1993) “Dimensional Analysis and Modeling Laws for Bearing Capacity of Geosynthetic Reinforced and Unreinforced Soil”, International Journal on Construction and Building Materials, Vol. 7, No. 4, Dec., UK, pp. 203-205
6. Dixit R.K. (1999), “**Performance of Distance Learning Students vis-a-vis face-to face students in technician diploma programmes in India**”, ICDE 19th World Conference on Open Learning and Distance Education, Vienna, Austria 20-24 June 1999.
7. Dixit R.K. (2002), “Technical Education in India- A Country Paper”, Challenges and Opportunities for Middle Level Technical Manpower in Asia- Pacific Region, in “ A Regional Seminar and International Conference Organised by IDEB, Dhaka in Collaboration with CPSC Manila, 18-20 May 2002”
8. Chugh, C.K. and Dixit, R.K. (2005), “Transforming India to a developed nation. Role of Engineers and Engineering Education”; The Journal of Engineering Education Vo. XVIII: No. 3, pp 12-18, January 2005.
9. Chugh C.K., and Dixit R.K. (2005), “Promoting the Use of Instructional Objectives”, The Journal of Engineering Education Vo. XVIII: No. 4, pp 50-55, April 2005..
10. Dixit R.K., and Chugh C.K. (2007), “Accreditation : Focus on students abilities”, Proceeding of International Conference on Higher Education held at IISc Bangalore, 12-14 July 2007, pp 85-92, July 2007

11. Pathak M. And Dixit R.K.. (2010), “Higher Education India’s Pathways to growth”, National seminar on Rural Infrastructure & Economic development in M.P. held at Dept. of Economics, Rani Durgavati University, Jabalpur in February 2010.
12. Chugh C.K. and Dixit R.K.. (2010), “ A study of qualification and experiences of Mechanical engineering teachers of Madhya Pradesh”, Journal of Engineering, Science and Management Education, Vol.1, 2010
13. Pathak M. and Dixit R.K., “Public – Private-Partnership in Madhya Pradesh”. Journal of Madhya Pradesh Economic Association, Vol. XXII, No. 1, February 2011, PP 108 – 117.
14. Dixit R.K. and Pathak M., Public Private Partnership”. A paper presented in International Workshop on Public Private Partnership organized by Organization for Investment, Economic and technical assistance of Iran, Ministry of Economic Affairs and Finance, Islamic Republic of Iran, from 19-21 July 2010.
15. Dixit R.K., Pathak M., and Pradhan S., “Public Private Partnership in Urban Water Supply”, 3rd International Congress Of Environmental Research, organized by University of Mauritius, Reduit, Mauritius and Journal of Environmental Research And Development ,Bhopal (India), from September 16-18, 2010
16. Pradhan S., Sarathe A., and Dixit R.K. “Sustainable Solid Waste Management through Public Private Partnership”, 3rd International Congress Of Environmental Research, organized by University of Mauritius, Reduit, Mauritius and Journal of Environmental Research And Development ,Bhopal (India), from September 16-18, 2010.
17. Mohan S., Agrawal V.K., and Dixit R.K., “Skill Development Initiative of Govt. of India” in the session Current Initiatives and Practices in TVET for Poverty Alleviation in Asia Pacific Regio, in 16th International Conference on Education for Sustainable Development (ESD) in TVET 2010”organized by CPSC, IVETA, InWEnt and TESDA from November 3 - 5 in Manila, Philippines.
18. Pathak M. and Dixit R.K., “Quality Assurance in TVET through Graduate Attributes and Professional Competences”, presented in National Seminar on ‘Building Quality Assurance in TVET: Trends and Perspectives’ held at NITTTR Bhopal organized by CPSC Manila and NITTTR Bhopal on 23rd December 2010
19. Agrawal V.K., Pathak M. and Dixit R.K., “Quality Assurance in TVET: Case of India Competences”, presented in National Seminar on ‘Building Quality

Assurance in TVET: Trends and Perspectives’ held at NITTTR Bhopal organized by CPSC Manila and NITTTR Bhopal on 23rd December 2010.

20. Pathak M., and Dixit R.K. (2010). “Higher Education: Pathway to India’s Economic Growth” Published in the proceedings of XXI Annual Conference of Madhya Pradesh Economic Association held at Jabalpur in 2010.
21. Chugh C.K. and Dixit R.K., “A study of Qualifications and Experience of Mechanical Engineering Teachers of M.P.”, Journal of Engineering, Science and Management Education, Volume -1, April-June 2010 Number 1, pp 70-73.
22. Chugh C.K. and Dixit R.K., “Preferences of Fresh Mechanical Engineering Graduates”, Journal of Engineering Education, Vol. XXIV No.3, January 2011, pp 49-59
23. Chugh C.K., Dixit R.K., and Agrawal V.K. (2011), “Graduates & Industry Perceptions on Domain related Technical Abilities developed in Fresh Mechanical Graduates through Curricula” Accepted for Publication in Journal of ISTE.
24. Chugh C.K., Dixit R.K., and Agrawal V.K. (2011), “Demand & Supply in Domain related abilities of fresh Mechanical Engineering Graduates”, presented in a National Seminar on “Emerging Trends in Mechanical Engineering: Issues, Challenges & Developments” held at SKIT Jaipur from 23-24 September 2011
25. Chugh C.K. and Dixit (2011), “ Demand –Supply mismatch of Mechanical Engineering Graduates in India”, Accepted for publication in Journal of Engineering, Science and Management Education
26. Agrawal V.K. and Dixit R.K. (2011), "Preparing TVET Educators for Next Generation of India", EDUCON 2011, CPSC UNESCO-UNIVOC Sponsored at Kuala Lumpur, Malaysia 12-14 Dec. 2011
27. Bhuria V. and Dixit R.K.. (2011), “Online Off-Campus Counseling Process for Engineering College of Madhya Pradesh” Journal of Engineering Research and Studies, E-ISSN0976-7916, JERS/Vol. II/ Issue IV/October-December, 2011/276-280
28. Chugh C.K. and Dixit R.K. (2011) , ‘Industry expectations and availability in Domain related abilities of fresh Mechanical Engineering Graduates” Journal in National Seminar “ Strategies for the Improvement in Engineering & management Education” in Scope College of Engineering 11-12 Nov. 2011
29. Chugh C.K., and Dixit R.K. (2012), “**Washington Accord- How do we perform on ABET criteria?**”, Journal of Engineering, Science & Management Education, Volume -5 Issue-II April-June-2012 , p.no. 467-471

30. Dixit R.K. and Pathak M. (2012), **“An Overview of International Engineering Accords with special reference to Washington Accord”**, Journal of Engineering, Science & Management Education, Volume -5 Issue-II April-June-2012 , p.no. 467-471
31. Pathak K.K., and Dixit R.K., (2012) “Yield Line Analysis Of Rectangular Slabs Using Artificial Neural Networks”, Journal of Engineering, Science and Management Education, Issue, pp. Vol.5(4), pp.630-634(2012)
32. Chugh C.K. and Dixit R.K. (2012) “Graduates & Industry Perceptions on Domain related Technical Abilities developed in Fresh Mechanical Graduates through Curricula”, Paper ID: 35889 on 5.30PM on 06.03.12 The 23rd Annual International SITE Conference 2012 - Teaching in Exponential Times!, March 5-9, 2012, Austin Texas, USA, Conference organised by Association For The Advancement Of Computing In Education (AACE)
33. Dixit R.K., et al, (2013), “Training of Polytechnic Teachers through Blended Technologies: A-VIEW and MOODLE Web Based Technologies in the Western Zone of India” MIT LINC 2013, 16-19 June 2013 at MIT, Cambridge, USA
34. Bhuria V. and Dixit R.K.. (2013), " A Comparative Study Of Online Off-Campus Counseling For Admission To Engineering Institutions In India", International Journal of Research in Commerce, IT & Management, P.No.40-43, Volume No. 3 (2013), Issue No. 05 (May) ISSN 2231-5756
35. Verma A., Pathak K.K, and Dixit R.K. (2013), "Planning and Scheduling of a Construction Project using Primavera Software", Journal of Engineering, Science & Management Education, Volume -6 Issue-IV October-December 2013, p.no. 192-197.
36. Pathak M. and Dixit R.K. (2014), "Demographic Dividend in India: Challenges Ahead", XXIV Annual Conference of MPEA, 7-8 February 2014.
37. Dixit R.K., “An Overview of Path to Become member of Washington Accord”, Accepted for publication in the Journal of Engineering, Science and Management Education
38. Karaulia D.S., Gupta B.L., and Dixit R.K., (2014), “Washington Accord, Signatory Status and Beyond: An Indian Perspective” The IJAS Conference Series: Teaching and Education Track, at the American University of Rome, Rome, 28-31 October 2014
39. Dixit R.K., “Graduates Attributes of NBA: What they Mean for Engineering Education”, Accepted for publication in the Journal of Engineering, Science and Management Education

40. Pathak M. and Dixit R.K. (2014), "Three-fold challenges of Demographic Dividend in India" Accepted for publication in Journal of Engineering, Science & Management Education
41. Dixit R.K. (2014), "Attribute of Engineering Graduates for 21st Century" Invited paper in the International Conference on Inter-disciplinary Research in Engineering, Management, Pharmacy and Science in Sagar Institute of Research and Technology, Bhopal from 21-23 Feb 2014
42. Bhuria V., Dixit R.K., (2014). "The Use of Internet in Online Counselling -A Descriptive Study", Journal of Management Value & Ethics, 4(2), 33-39
43. Bhuria, V., Dixit R.K., (2014). "Online Survey-A Web-page Design for Online Counselling System", International Journal of Application or Innovation in Engineering & Management, 3(10), 206-209
44. Bhuria, V., Dixit R.K. (2014) "Student Satisfaction of Online Counselling-A Descriptive Analysis", International Journal of Advanced Research in Management & Social Science, 3(12),16-24
45. Bhuria, V., Dixit R.K. (2014). "Difficulty and Risk in Online Counselling-Student Perception" International Journal of Application or Innovation in Engineering & Management, 3(12), 297-301
46. Bhuria, V., Dixit R.K. (2015). "Selection Criteria of College & Course in Engineering Education-Student Perception", International Journal of Education & Applied Research, Accepted
47. Bhuria, V., Dixit R.K. (2015). "Engineering Admission via Online Counseling-Precautions, Suggestions and Recommendations" International Journal of Education & Research, CRC, Australia, Communicated
48. Dixit R.K. (2015), "Developing PEOs, POs ,COs, their mapping and Graduate Attributes of National Board of Accreditation", Invited paper in Special issue on Technical Education, in Journal of Engineering, Science & Management Education
49. Rocha A.S., Earnest J. Gupta S.K., and Dixit R.K. (2015), "Integrating Renewable Energy Modules with Conventional Technical Programmes for Sustainable Development And Enhancing Employability" Third Dubai International Conference in Higher Education- Today's Universities: Combining Rigour with Relevance, 1-3 February 2015, organized Michigan State University, Dubai Campus
50. Dixit R.K., Karaulia D.S., Rocha A.S., and Pathak M., (2015), "Washington Accord: Attributes Of Graduate Engineers For 21st Century – An Indian

Perspective” Third Dubai International Conference in Higher Education- Today’s Universities: Combining Rigour with Relevance, 1-3 February 2015, organized Michigan State University, Dubai Campus

51. Mehra C., Rawlley A., Verma P.V., and Kumar A. (2015), “Ensuring Quality of Technical Education through Programme Accreditation- NITTTR, Bhopal, India Experience” International Conference on Humanities and Education, Humber College, Toronto – Canada, 16th -17th March 2015
52. Tiwari D.K., Dixit R.K., and Roy S.(2016), “Study on Stabilization of Black Cotton Soil by Using Stone Dust & Polypropylene Fibers”, International Journal in Innovative Research in Science Engineering and Technology, Vol. 5, Issue 9, September 2016
53. Malik A. Dixit R.K. and Roy S.(2016), “Optimal use of Crumb Rubber as Fine Aggregate”, Accepted for Publication, ”, International Journal in Innovative Research in Science Engineering and Technology, Vol. 5, Issue 9, September 2016
54. Sharma C. and Dixit R.K. (2017), “Comparative analysis of multi-storey building with seismic and pushover methods” International Journal for Research in Applied Science and Engineering Technology, DOI, 10—2214, Vol. 5, Issue VI, June 2017
55. Dwivedi M., Dixit R.K., (2017), “Compressive and flexural strength Studies in Hair reinforced Concrete” International Journal for Research in Applied Science and Engineering Technology, DOI, 10—2214, Vol. 5, Issue VI, June 2017
56. Dixit R.K. Roy S., & Pathak M. (2018), “ Crisis of Engineering Education in India”, Asia-Pacific Conference on Education, Teaching & Technology 2018, held on 25-26 January 2018 at the KASETSART UNIVERSITY, Bangkok, Thailand.
57. Roy S., Dixit R.K. and Sinha S. (2018), “**APPLICATION OF PLASMA ARC TORCH TECHNOLOGY IN SOLID WASTE MANAGEMENT**”, Asia-Pacific Conference on Education, Teaching & Technology 2018, held on 25-26 January 2018 at the KASETSART UNIVERSITY, Bangkok, Thailand.
58. Dixit R.K. (2018) , “T-shaped engineer: the need of hour”, *MIRDEC-7th, International Academic Conference on Social Science, Multidisciplinary and Globalization Studies (Global Meeting of Social Science Community) 26-29 March 2018, Madrid, Spain.*

II. Books/ Reports Published

1. Vijay K. Agrawal, R.K. Dixit, "Community Polytechnics in India: Achievements, Practices and Lessons Learnt : A case study", , Published by UNESCO-UNEVOC Document, 2012
2. Dixit Et al (2008)," Engineering Education and Curriculum", Module 1, Induction Training Programme for Engineering Colleges, Third Ed. 2009, NITTTR Bhopal
3. Dixit R.K. et al, (2009), Editor of 4 volume set for Induction Training Programme for Engineering Colleges, Third Ed. 2009, NITTTR Bhopal
4. Dixit R.K. et al, (1999), "How to Formulate Instructional Objectives", a Module prepared for UK- REC- British Council Project, 1999.
5. Dixit R.K. et al, (1999), "Devise Teaching Strategy and Select Teaching Methods", a Module prepared for UK- REC- British Council Project.-1999
6. Dixit, R.K. et al, "Fluid Mechanics and Hydraulic Machines" published by Continuing Education Centre, Directorate of Technical Education, Govt. of Gujarat, (1996).
7. Dixit, R.K. et al, "Marketing Management " published by Continuing Education Centre, Directorate of Technical Education, Govt. of Gujarat, (1996).
8. Dixit, R.K. et al, "Manufacturing Processes - 1" published by Continuing Education Centre, Directorate of Technical Education, Govt. of Gujarat, (1996).
9. Dixit, R.K. et al, "Bridge for All", published by Student Gymkhana, IIT Bombay (1990)
10. Dixit, R.K. et al, "Third Technician Education Project of Govt. of India Assisted by the World Bank, Project Appraisal Document", published by the World Bank (2000)
11. Dixit, R.K. et al , "Third Technician Education Project of Govt. of India Assisted by the World Bank, Project Concept Document ", World Bank (2000)
12. Dixit, R.K. et al, "Creating Enabling Environment- Administrative and Procedural Reforms", National Project Implementation Unit, New Delhi (2001).
13. Dixit, R.K. et al, "Technical Education Quality Improvement- Programme Description and Guidelines", National Project Implementation Unit, New Delhi (2001)
14. Dixit, R.K. et al, "Technical Education Quality Improvement Project- Guideline Document for States and Institutions", National Project Implementation Unit, New Delhi (2002).

III. Video Programmes

- Assisted in production of 8 video programme in conceptual framework of Distance Education.

- No. of video Programmes - 4 No. (On NBA accreditation), viz., Graduate Attributes, Accreditation- Basics, Accreditation- Criteria, and Accreditation- Procedure.
- 4 No. of Video Programmes in Progress on Project Management.
- 36 videos for MOOC on Accreditation of Undergraduate Engineering Programmes.
- Videos for MOOC on Accreditation and Ranking.
- Videos for MOOC on Research, Innovation and Social Relevance
- Videos validation of MOOC on Indian Knowledge System (English)
- Videos validation of MOOC on Indian Knowledge System (Hindi)

IV. Research Studies Conducted (46 Nos.)

- Testing of Collapsed water Tank of Bhopal (2012)
- Visual inspection of 16 Damaged Water Tanks of Bhopal Nagar Nigam (2013)
- Training Needs Analysis of Engineering Colleges of Chhattisgarh (3 engineering Colleges)- 3 Nos. (2010)
- SWOT Analysis of Engineering Colleges of Chhattisgarh (3 engineering Colleges)- 3 Nos. (2010)
- Utilisation of Resources by Project states (4 for polytechnics and 2 for states of Nagaland and Arunachal Pradesh)- 6 Nos. (2005)
- Impact of Tech Ed III Project in the State of Jammu and Kashmir (Six for polytechnics and one for the State)- 7 Nos. (2006)
- Status study of Autonomy in Project Polytechnics of Nagaland (3 Studies in polytechnics)- 3 Nos. (2004)
- Training Needs Analysis of Nagaland (3 studies two for polytechnic and one for SPIU)- 3 Nos (2001)
- Study of drop out rate in Gujarat state in distance education project (2006)
- Comparison of Performance of distance learners and regular students (1998)
- Internal Revenue Generation Practices in Polytechnics of Maharashtra State (2000)
- “Training Needs Analysis of Tanning Industry of Tamil Nadu and Karnataka” (1998)

MAJOR DOCUMENTS PREPARED (for various projects, and consultancies Project proposals/ DPRs etc..)

1. “Vision 2010- NITTTR Bhopal”, NITTTR Bhopal (2004)
2. “Vision reach strategies – NITTTR Bhopal”, NITTTR Bhopal (2005)

3. “Restructuring NITTTR Bhopal”, NITTTR Bhopal (2005)
4. “Proposal for Deemed-to-be-University Status for NITTTR Bhopal” (2006)
5. “Detailed Project Report for Establishing a New Polytechnic in Arunachal Pradesh”, (1999)
6. TNA and SWOT of Nagaland, Arunachal Pradesh and Chhattisgarh (2000 & 2009).
7. Grant and Implementation of Autonomy in the state of Nagaland and Arunachal Pradesh (2006).
8. “Detailed Project Report for Establishing a Women Polytechnic in Tripura”, (1999)
9. Concept document to implement Skill Development Initiative of Govt. of India at NITTTRs (2010)
10. “DPR for establishing Women Polytechnic in Tripura”, (2003)
11. ‘NITTTR Bhopal: A Brief Profile’, (2006)
12. ‘TOR-wise report of NITTTR Bhopal’, (2006)
13. ‘NITTTR Bhopal: Challenges & Issues’ (2006)
14. ‘NITTTR Bhopal: Programme of Action’(2006)
15. Concept paper of opening an extension center at Sidhi District (2005)
16. National Vision of NITTTRs (2004)
17. Vision Reach Strategies for NITTTRs(2005)
18. National Action Plan for NITTTRs, (2006)
19. Scheme for upgradation of Existing polytechnics in SFDs, Base Document (2005)
20. Scheme for starting new polytechnics in SFDs
21. “EFC memo of TTTIs), (1997)
22. Many institutional documents/ policies/ etc such as Gender Budget, Our Outcome Budget, Results Framework Document for NITTTR Bhopal

V. TRAINING PACKAGES AND OTHER LEARNING RESOURCES

1. **Computer-based Multimedia Training Packages, namely,**
 - Operation and Maintenance of lubrication systems (1996)
 - A multimedia profile of Indian Cement Industry (1997)
 - A multimedia profile of TTTI Bhopal (1999)
 - A CBT on “Domains of learning” (1998)
 - A CBT on “Selection of Teaching methods” (1999)
2. Led a team of faculty members for Training Package on “Environmental Concerns in Tanning Industry” for State Pollution Control Boards of Tamil Nadu and Karnataka assisted by Danish Aid Agency (**DANIDA consisting of Training Plan, Trainers Guides, Trainers Text Book, Participants Guide and Participants Work Book, Transparencies, Slides and CBT (1998)**

3. Three training Packages on “Operation and Maintenance of Heavy Earth Moving Equipment” for Operators, Supervisors and Maintenance personnel of Cement Industries (1995, 1996).
4. “Project Planning Implementation and Evaluation” for Commonwealth Youth Programme, Commonwealth Secretariat. (1997)
5. “LogFrame Analysis” for Rajiv Gandhi National Institute for Youth Development, Chennai (1996)
6. Modules for Induction and other training programmes

VI. CURRICULA DEVELOPED

1. Curriculum for Vocational Education for the state of Meghalaya (1997)
2. Curriculum of Entrepreneurship to be introduced in courses of Rajiv Gandhi Technological University (Bhopal). (2004)
3. Skills curricula in the Building Material and Construction Equipment Hardware sector (21nos.) (2010-13)
4. Curricula of Gujarat Technological University for Civil and allied engineering Diplomas.