

Prof. (Dr.) Manoj Kulshrestha

Pro Vice Chancellor

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Educational Qualifications

1. BE (Civil), 82.4%, 1987, Government Engineering College, Bilaspur (CG), GGD Central University, Bilaspur (CG)
2. ME (Construction Technology & Management), 85.1%, 1990, Madhav Institute of Technology & Science, Gwalior (MP), Jiwaji University, Gwalior (MP)
3. PhD (Civil Engineering), 1999, Building Engineering and Construction Management, Indian Institute of Technology (IIT) Delhi, New Delhi
4. PGDDE (Distance Education), (Overall Grade-A), 2004, Indira Gandhi National Open University (IGNOU), New Delhi

Academic Experience

Over 27 years at GEC, Bilaspur; BIT, Durg; IGNOU, New Delhi and CSVTU, Bhilai

Present Appointment/ Past Assignments

Presently, Pro Vice Chancellor in Chhattisgarh Swamy Vivekanand Technical University (CSVTU), Bhilai.

Professor of Civil Engineering in School of Engineering & Technology (SOET), Indira Gandhi National Open University (IGNOU), New Delhi. (On deputation)

Director, National Centre for Innovation in Distance Education (NCIDE), Indira Gandhi National Open University (IGNOU), New Delhi (2013-2016)

Director, Campus Placement Cell (CPC), Indira Gandhi National Open University, New Delhi (2016-2018)

Ph D Thesis Title

Total Value Control in Construction through Multiple Criteria decision Making (MCDM)

Publications

(Total 30 Publications)

International Journal	-	5	
National Journals	-	4	
International Conferences	-		
Presented outside India	-	2	
Presented in India	-	8	
National Conferences	-	8	(Please refer Annexure A for the List of Publications)
Articles	-	3	

Area of Research/Interest

- Construction Project Management
- Multiple Criteria Decision Making (MCDM)
- Value Management (VM)
- Professional Ethics in Construction

Programmes Developed in IGNOU

- Post Graduate Certificate in Project Management (PGCPM)
- Bachelor of Technology in Civil (Construction Management) (BTCM)
(For list of course material developed, please refer **Annexure B**)
- Diploma in Civil Engineering (Army Personnel) (DCLE)
- Diploma in Electrical and Mechanical Engineering (Army Personnel) (DEME)
- Certificate in Motorcycle Service and Repair (CMSR)

Programmes completed successfully under the Projects

- Diploma in Civil Engineering (Army Personnel) (DCLE)
(Under IGNOU-CIDC Construction Education & Training Project)
- Diploma in Electrical and Mechanical Engineering (Army Personnel) (DEME)
(Under IGNOU-CIDC Construction Education & Training Project)
- Construction Workers Vocational Qualification Programme (CWVQP)
(Under IGNOU-CIDC Construction Education & Training Project)
- Post Graduate Certificate in Project Management (PGCPM)
(Under IGNOU-PMA-CEPM Project)

Industry Sponsored Educational Projects Undertaken (Over Rs. 80 lakhs)

IGNOU-HERO Motorcycle Technicians Vocational Qualification Project (IH-MTVQP)
(Sponsored by Hero MotoCorp Ltd.)

Vocational Training Programmes for Skill Development under the Project

- Certificate in Motorcycle Service and Repair (CMSR) – On offer
(For working motorcycle technicians)
- Certificate in Motorcycle Repair and Maintenance (CMRM) – Under development
(For educated raw learners)

Contribution to Curriculum Design/Development

- (a) Curriculum design of all courses of Certificate in Motorcycle Service & Repair (CMSR), IGNOU, New Delhi
- (b) Curriculum design of all courses of Post Graduate Certificate in Project Management (PGCPM), IGNOU, New Delhi

- (c) Curriculum design of Engineering & Technology courses of Bachelor of Vocational Education and Training (B VET) for School of Vocational Education & Training (SOVET), IGNOU, New Delhi
- (d) Curriculum design of all trades of Construction Workers Vocational Qualification Programme (CWVQP), IGNOU, New Delhi
- (e) Curriculum design of B Tech Civil Engineering programme for Guru Gobind Singh Indraprastha University, Dwarka, New Delhi
- (f) Curriculum design of M Tech Civil Engineering programme of Delhi Technological University (DTU), New Delhi

Notable Invited Talks/Lectures

International Lectures

- (a) University of Detroit Mercy, Detroit CA, USA invited in October 1993 to address final year Science and Engineering students on topic, **Value Engineering in Developing Countries**
- (b) Invited to address a marketing workshop for the potential learners in Universal Empire Institute of Technology, Dubai in August 2006

National Lectures

- (1) Invited for Expert Lecture in National Workshop on **Quality Assurance in Technical Education** held during February 6-7, 2010 organised by Madhav Institute of Technology & Science, Gwalior (MP)
- (2) Invited as a Resource Person for the Refresher Course in **Distance Education** held during March 22-April 16, 2010 organised by Staff Training & Research Institute of Distance Education, IGNOU, New Delhi
- (3) Invited for the Expert Lecture in Staff Development Programme on **Cost Effective Building Materials and Construction Techniques** held during August 2-14, 2010 organised by Samrat Ashok Technological Institute, Vidisha (MP)
- (4) Invited as a Resource Person for the Workshop on **Identifying and Inculcating Creative Practices in Teaching and Learning** held during December 5-6, 2012 organised by National Centre for Innovations in Distance Education, IGNOU, New Delhi
- (5) Invited as a Resource Person in National Workshop on **Development of Self Learning Material for ODL** held during March 29-31, 2013 organised by Pt. Sunderlal Sharma (Open) University, Bilaspur (CG).
- (6) Invited as an expert in International Conference on **Harnessing CSR for Skill Development and Employment of Youth** held during November 20-21, 2013 at Convention Centre, Scope Complex, Lodhi Road, New Delhi organised by Construction Industry Development Council (CIDC), New Delhi
- (7) Invited as an panellist in Global Symposium on **Linking Project Mindset to Nation's Prosperity** held during December 2-3, 2013 at Hotel Le Meridien, New Delhi organised by Project Management Associate (PMA) India and Centre for Excellence in Project Management (CEPM), NOIDA

- (8) Delivered invited talk in two day workshop on **Scheduling of Construction Projects** held during January 24-25, 2015 at Gwalior organised by Madhav Institute of Technology and Science (MITS), Gwalior (MP).
- (9) Delivered a lecture on **Industry relevance and driving employability at the core of ODL** on December 17, 2016 organised by ION Team, TCS at Mumbai.
- (10) Delivered a lecture in a workshop mode on **Decision making in infrastructure planning in construction : A Case Study of Highway Project selection** for the civil engineers/officials of Govt. of Bhutan organised by Jaipuria Institute of Management, Jaipur on September 27, 2016
- (11) Delivered a Keynote lecture in Global Skill Summit 2016 on **Industry relevance and driving academics at the core of Skill Development through ODL – A Case Study of IGNOU-HERO Project** held on December 17, 2016 at Entrepreneurship Development Institute, Gandhinagar organised by Navjivan Centre for Development, Mehsana (GJ)

Awards and Medals

- (a) University Gold Medal 2008 for Innovation in Distance Education
- (b) CIDC Award 2009 for Academic Excellence in Construction Industry
- (c) World Education Award 2011 for the Best Innovation in Vocational Education and Skill Training
- (d) Education Leadership Award 2011 for Innovative Programme Design for the Skill Training and Certification of Motorcycle Technicians

(Please refer **Annexure C** for the details of medals and awards)

Membership of Professional Bodies/Board/Committees

In IGNOU

- (1) Member of School Board of Studies for School of Engineering & Technology (SOET)
- (2) Member of School Board of Studies for School of Health Sciences (SOHS)
- (3) Member of School Board of Studies for School of Computer and Information Sciences (SOCIS)
- (4) Member of School Board of Studies for School of Humanities (SOH)
- (5) Member of School Board of Studies for School of Agriculture (SOA)
- (6) Member of School Board of Studies for School of Management Studies (SOMS)
- (7) Member of Guest House Management Committee
- (8) Member of Committee on Water Harvesting in IGNOU
- (9) Member of Space Utilization Committee
- (10) Member of Steering Committee for University Convocation 2011
- (11) Chairman of Refreshment Committee for Convocation 2011
- (12) Member of House Allotment Committee (HAC)
- (13) Chairman of Inspection Committee for empanelment of Printing Press

- (14) Member of the Sub-committee on Refreshment and Entertainment for the 3rd Conference of Vice Chancellors of Open Universities held in IGNOU during September 9-10, 2013
- (15) Member of the committee for restructuring of BPP and BDP of IGNOU
- (16) Member of a Task Force on Skill Development constituted by High Power Committee for revamping of RSD
- (17) Member of the Special Group for the areas of IUCOL Platform/Forum Development and Common Student Information System constituted on the recommendations of the Conference of Vice Chancellors of Open Universities held in IGNOU during September 9-10, 2013.
- (18) Member of organising committee for One-day Conference of the Ambassadors and High Commissioners of the African and Gulf Countries to explore the possibilities of mutual educational collaboration
- (19) Member of the committee to identify the illegal construction in the Residential Campus of IGNOU
- (20) Member of School Board of Studies for School of Vocational Education & Training (SOVET)
- (21) Chairman and Member of Hindi Pakhwada Sanchalan Samiti (HPSS), IGNOU
- (22) Member of the Organisation Committee of the Foundation Day Celebrations 2015, 2016 and 2017
- (23) Member Convenor of Inter School Group for Industry Interactions/Tie-ups and NSQF Compliance for Skill Development Programmes of the University
- (24) Chairman of Physical Inspection Committee (PIC) of MPDD for Paper and Art Card
- (25) Member of the Standing Committee for negation, evaluation, subscription and renewal of e-resources for the University Library
- (26) Member of School Board of Studies for School of Sciences (SOS)
- (27) Chairman of the committee for the updating of Hindi Website of the University
- (28) Member of School Board of Studies for School of Extension and Development Studies (SOEDS)

Outside IGNOU

- (1) Life Member of Indian Society for Technical Education (ISTE)
- (2) Member and Joint Secretary of Society of Indian Value Management (SIVAM) – Delhi Branch
- (3) Associated Member of Institution of Engineers, India (AMIE)
- (4) Member of National Committee on Education of ASSOCHAM
- (5) Member of Specification Design Committee of Kendriya Vidyalaya Samiti
- (6) Member of Vidyalaya Management Committee of Kendriya Vidyalaya, Air Force Station, Rajokari, New Delhi
- (7) Former International Member of Society of American Value Engineers (SAVE), USA
- (8) Member of Governing Council of Indian Society for Trenchless Technology (INDSTT)
- (9) Member of the Committee on Management of Education on behalf of IIT Delhi Alumni Association for Delhi Government's Bhagidari Project.

- (10) Member of National Committee for National Occupational Standards (NOS) constituted by Construction Skill Development Council of India (CSDCI), a Construction Skill Sector Council of National Skill Development Corporation (NSDC)
- (11) Member of Governing Council (GC) of Construction Skill Development Council of India (CSDCI), a Construction Skill Sector Council of National Skill Development Corporation (NSDC), Govt. of India
- (12) Member of School Board of School of Architecture, Science and Technology, Yashwantrao Chauhan Maharashtra Open University (YCMOU), Nashik (MH)
- (13) Jury Member of Project Expo organised by School of Civil Engineering, Lovely Professional University (LPU), Fagwada
- (13) Member of Academic Council of National Institute of Open Schooling (NIOS)
- (14) Member of the committee constituted for selecting of competent consultant for initiating Resettlement Action Plan by National High Speed Rail Corporation Ltd. (NHSRC), a SPV for executing Ahmedabad-Mumbai Bullet Train Project
- (15) Member of Building and Works Committee of National Institute of Open Schooling (NIOS)
- (16) AICTE Member of UGC Expert Visiting Committee to Vinayak Mission's Sikkim University (Private University) during October 27-28, 2017
- (17) AICTE Member of UGC Expert Visiting Committee to Vignan University, Guntur
- (18) AICTE Member of UGC Expert Visiting Committee to Swami Rama Himalian University, Dehradun
- (19) AICTE Member of UGC Expert Visiting Committee to National Rail Transport Institute (Deemed University), Vadodara
- (20) AICTE Member of UGC Expert Visiting Committee to Poornima University (Private University), Jaipur
- (21) AICTE Member of UGC Expert Visiting Committee to Graphic Era University, Dehradun
- (22) AICTE Nominee in the Executive Council (EC) of Hercoort butler Technological University (HBTU), Kanpur (UP)
- (23) Member of Academic Council of Madhav Institute of technology and sciences, Gwalior (MP)
- (24) Member of Planning Board, Yashwantrao Chavan Maharashtra Open University (YCMOU), Nashik (MH)
- (25) Member of Executive Council (EC) of Chhattisgarh Swami Vivekanand Technical University (CSVTU), Bhilai (CG)
- (25) Member of the Jury for AICTE-CII Industry Linked Survey 2019 of academic institutions conducted jointly by AICTE and CII

International Participation

- Delivered lecture on Value Engineering in Developing Countries in University of Detroit Mercy, Detroit MI, USA in October 1993
- Delivered a talk on Use of Decision Matrix Analysis for Functional Evaluation in Value Engineering in the Chapter Meeting of Society of American Value Engineers (SAVE) in Detroit MI, USA

- Presented a Research Paper in 36th SAVE International Conference in Chicago IL, USA in June 1996
- Presented a Research Paper in 42nd SAVE International Conference in Denver CO, USA in May 2002
- Addressed first batch students of BTCM in UEIT, Dubai in August 2006
- Conducted marketing workshop for the potential learners in Universal Empire Institute of Technology, Dubai in August 2006
- Conducted lab session for Dubai Centre International Students of BTCM in February 2008.

List of Publications

Research/Technical Papers

1. Kulshrestha, M. and Deshpande, V. B. (1992), **Bid evaluation through Value Engineering using Multiple Criteria Decision Making**, proceedings of the International Conference on Value Engineering - A management tool for the Decade held at Hotel Oberoi Grand, Calcutta (India), pp 60101-60106.
2. Kulshrestha, M., Shrestha, R. N. and Deshpande, V. B. (1992), **Time Cost Profile : A Mathematical Programming Approach**, proceedings of the National Symposium on Optimisation Techniques and Application held at Thiagarajar College of Engineering, Madurai (TN), pp 87-95.
3. Kulshrestha, M., Deshpande, V. B., and Saxena, A. K. (1993), **Value Engineering : A Case of Multiple Criteria Decision Making (An introduction)**, proceedings of the 5th National Conference on Value Engineering to Meet the Challenges of Liberalisation of Economy held at Hotel Ashok, Bangalore (India).
4. Kulshrestha, M., Deshpande, V. B., and Saxena, A. K. (1993), **Multiple Criteria Decision Theory : An Effective Tool Value Engineering implementation**, proceedings of the International Conference on Value Engineering in Project Management jointly organized by Society of Indian Value Engineers (SIVAM) and Association of Consulting Civil Engineers (ACCE) held at Raman Auditorium, Department of Science & Technology, New Delhi (India), pp 119-128.

The proceedings of above conference has been published in the form of a book by Oxford IBH Ltd., New Delhi. The title of the book is Value Engineering in Project Management.

5. Kulshrestha, M., Deshpande, V. B., and Saxena, A. K. (1994), **A Tool for Effective Progress Monitoring System for KVS Projects**, proceedings of the Workshop on Building norms for Kendriya Vidyalayas organized by Kendriya Vidyalaya Sangathan (KVS) Headquarters, New Delhi held at Hotel Samrat, New Delhi.
6. Kulshrestha, M., and Deshpande, V. B. (1996), **Value Engineering Implementation through Delphic Hierarchy Process (DHP) and Fuzzy Set Methodology (FSM)**, proceedings of the National Seminar on Role of Engineering Institutions, Construction Industry & Building Research Institutes in Low Cost Construction organized by Madhav Institute of Technology & Science (MITS), Gwalior (MP) held at MITS, Gwalior (MP), pp 210-218.
7. Kulshrestha, M., and Deshpande, V. B. (1996), **Decision Matrix analysis : An Effective Tool for Functional Evaluation of Intricate Cases in Construction Projects**, proceedings of 36th SAVE International Conference, organized by Society of American Value Engineers (SAVE), USA held in Chicago IL, USA, pp 33-41.

8. Khare, P., Kulshrestha, M., and Agarwal, A. (1998), **Distance Education - Collaborating Fronts**, proceedings of the International Conference on Collaborative & Networked Learning, organized by Indira Gandhi National Open University (IGNOU), New Delhi held at Jamia Hamdard, New Delhi.
9. Kulshrestha, M. and Bhardwaj, M. K. (1999), **Continuing Education Programmes in Civil Engineering**, proceedings of VI National Conference organized by Indian Distance Education Association (IDEA) held at Nasik (MH).
10. Kulshrestha, M. and Bhardwaj, M. K. (2001), **Functional Assignment : An Effective Teaching Tool in Distance Learning for Engineering & Technology Programmes**, proceedings of VIII Annual Conference on From Postal Tuition to Virtual Classroom : Changing Contours of Educational Methodologies and the Learning Environment organized by Indian Distance Education Association (IDEA) held at Warangal (AP).
11. Kulshrestha, M. and Bhardwaj, M. K. (2001), **OLDES : A Potential Mode for Training and Development of Human Resources in Construction**, proceedings of 7th AsiaConstruct Conference organized by Construction Industry Development Council (CIDC) held at New Delhi in October 2001.
12. Kulshrestha, M., and Deshpande, V. B. (2001), **Cost-effectiveness through Total Value Control (TVC) in Construction Projects**, Journal of Management Development Centre, National Building Construction Corporation Limited, New Delhi, Vol. 16, October 2001, pp 62-67.
13. Kulshrestha, M. and Bhardwaj, M. K. (2002), **Development of Multiple Criteria Decision Support System (MCDSS) for Study Centre Performance Evaluation**, proceeding of XV Annual Conference of the Asian Association of Open Universities (AAOU) on Access & Equity held at New Delhi in February 2002.
14. Kulshrestha, M. and Bhardwaj, M. K. (2002), **Human Resources in Construction : IGNOU's Model**, Vol. IX, No. 1, Journal of Distance Education, Directorate of Distance Education, University of Jammu, Jammu, India, pp 70-80.

The paper has also been included as a chapter in a book entitled **Education and Open Learning in Global Society** published by Anmol Publications Pvt. Ltd., New Delhi, pp 138-151.

15. Kulshrestha, M., and Deshpande, V. B. (2002), **Multiple Criteria Decision Support System (MCDSS) for Value Management Implementation in Construction Projects**, proceedings of 42nd SAVE International Conference, organized by Society of American Value Engineers (SAVE), USA to be held during May 5-8, 2002 in Denver CO, USA.
16. Kulshrestha, M. and Bhardwaj, M. K. and Col. Saxena, N. B. (2005), **Towards Seamless Convergence : A Case Study of Engineering Diploma Programmes for Indian Army**, proceedings of ICDE International Conference organized by International Council for Distance Education (ICDE) held in IGNOU at New Delhi in November 2005.

17. Chauhan, J. S. and Kulshrestha, M. (2005), **Quality Assurance in Distance Education**, proceedings of ICDE International Conference organized by International Council for Distance Education (ICDE) held in IGNOU at New Delhi in November 2005.
18. Kulshrestha, Rashmi, Kulshrestha Manoj, Bhatnagar, S. P., and Katiyar, C. K. (2007), **Supplier Performance Evaluation and Selection in the Herbal Industry**, Vol. 8, No. 1, Supply Chain Forum – An International Journal, pp 46-55.
19. Venkateshwarlu, N., Agarwal Ashish and Kulshrestha, Manoj (2009), **Role of Leadership and Top Management : A TQM Strategy**, proceedings of GLOGIFT 09 Conference held in National Institute of Industrial Engineering at Mumbai in Nov. 2009.
20. Venkateshwarlu, N., Agarwal Ashish and Kulshrestha, Manoj (2009), **Continuous Improvement : A Critical Success Factor of Total Quality Management (TQM)**, proceedings of 39th ISTE Annual Conference & Annual Conference on Managing Technical Education for Leveraging Innovations and Entrepreneurship held in National Institute of Technology (NIT) at Surathkal, Mangalore in Dec. 2009, pp 57-67.
21. Venkateshwarlu, N., Agarwal Ashish and Kulshrestha, Manoj (2013), **An IT & TQM framework for Quality Improvement and Learner Satisfaction in Distance Education**, A paper presented and published in the Asia Network for Quality (ANQ) Congress 2010 held in October 19-22, 2010 at Jaypee Institute of Information Technology, Noida, Delhi, India.
22. Venkateshwarlu, N., Agarwal Ashish and Kulshrestha, Manoj (2010), **Implication of TQM and its Critical Success Factors into Business**, Asia-Pacific Business Review, An International Quarterly Refereed Journal, Vol. VI, No. 3, July-September, 2010, pp 147-156.
23. Venkateshwarlu, N., Agarwal Ashish and Kulshrestha, Manoj (2010), **Customer Satisfaction through Best Practices of Total Quality Management (TQM)**, International Journal of Industrial Engineering and Technology, Vol. 2, No. 3, December 2010, pp 325-333.
24. Venkateshwarlu, N., Agarwal Ashish and Kulshrestha, Manoj (2011), **Implementation of TQM : A Case Study in an Auto Company**, An International Quarterly Refereed Journal of Asia-Pacific Institute of Management " Asia- Pacific Business Review, New Delhi, Vol. VII No.2, April-June 2011 pp. 74-82.
25. Venkateshwarlu, N., Agarwal Ashish and Kulshrestha, Manoj (2012), **An Innovative TQM Model for Quality Improvement and Better Performance Practices for Auto companies**, Industrial Engineering Journal, Vol. II, No. 3, pp. 39-44.
26. Venkateshwarlu, N., Agarwal Ashish and Kulshrestha, Manoj (2013), **Total Quality Management (TQM) practices and its implementation effectiveness on Quality performances: A case study at Hero Honda Motors Ltd. - An auto company**, Industrial Engineering Journal, Vol. VI, No. 2. pp. 32-37.
27. Lahiri, Rathindra Prasad and Kulshrestha, Manoj (2014), **Level of Professional Ethics in Indian Construction Industry**, International Journal of Research in Commerce, IT, Engineering & Social Sciences (IJKRCIESS), Vol. 1, No. 3, September 2014, Associated Asia Research Foundation

Articles

1. Kulshrestha, M. (1993), Value Engineering : **A Case of Multi Criteria Decision Making (MCDM)**, published in **News Letter Value India News**, Vol. 5, No. 1, January-March 1993, published by Society of Indian Value Management (SIVAM), Delhi Branch, New Delhi.
2. Kulshrestha, M. (2002), **Human Resources Development in Construction Industry**, Vol. 7, No. 12, December 2002, Construction Materials Purchase, New Delhi.
3. Kulshrestha, M. and Bhardwaj, M. K. (2002), **Skill Training, Assessment and Certification : IGNOU Model**, Vol. VI, No. 2, March-April 2002, No Dig India, Official Publication of Indian Society for Trenchless Technology, New Delhi.

Annexure B

List of Edited Books on Undergraduate Degree Level Courses of Civil Engineering

1.	ET 202 (Part A) (Statics)	Engineering Mechanics	Block 1
2.	ET 301 (Part A) (Optimization Techniques - I)	Systems Methods	Block 2
3.	ET 301 (Part A) (Optimization Techniques - II)	Systems Methods	Block 3
4.	ET 534 (Part B) (Ground Water Hydrology)	Ground Water Development	Block 1
5.	ET 534 (Part B) (Exploration, Well Design and Construction)	Ground Water Development	Block 2
6.	ET 534 (Part B) (Ground Water Quality and Management)	Ground Water Development	Block 3
7.	ET 521 (Part A) (Planning of Buildings)	Planning and Construction of Buildings	Block 1
8.	ET 521 (Part A) (Building Construction)	Planning and Construction of Buildings	Block 2
9.	ET 524 (Part A) (Basic Concepts)	Principles of Engg. Mgmt. & Economics	Block 1
10.	ET 524 (Part A) (Organisations)	Principles of Engg. Mgmt. & Economics	Block 2
11.	ET 524 (Part A) (Managerial Control Strategies)	Principles of Engg. Mgmt. & Economics	Block 3
12.	ET 524 (Part A) (Introduction to Project Management)	Principles of Engg. Mgmt. & Economics	Block 4
13.	ET 502 (Part B) (Influence lines and Rolling Loads)	Structural Analysis	Block 1
14.	ET 502 (Part B) (Indeterminate Structures - I)	Structural Analysis	Block 2
15.	ET 502 (Part B) (Indeterminate Structures - II)	Structural Analysis	Block 3
16.	ET 502 (Part B) (Structural Analysis)	Structural Analysis	Block 4
17.	ET 521 (Part B) (Architecture : Principles & Scope)	Building Architecture	Block 1
18.	ET 521 (Part B) (Process of Design)	Building Architecture	Block 2
19.	ET 502 (Part A) (Stresses in Solids)	Strength of Materials	Block 1

20.	ET 502 (Part A) (Forces & Stresses in Beams)	Strength of Materials	Block 2
21.	ET 502 (Part A)	Strength of Materials (Stresses in Shafts, Shells and Thermal Stresses)	Block 3
22.	ET 524 (Part B) (Site Planning)	Construction Management I	Block 1
23.	ET 524 (Part B) (Estimating)	Construction Management I	Block 2
24.	ET 524 (Part B) (Construction Management Basics)	Construction Management I	Block 3
25.	ET 525 (Construction Organisations)	Construction Management II	Block 1
26.	ET 525 (Construction Materials Management)	Construction Management II	Block 2
27.	ET 525 (Construction Equipment Management)	Construction Management II	Block 3
28.	ET 525 (Construction Contract Management)	Construction Management II	Block 4
29.	ET 525 (Construction Accounting : Principles & Processes)	Construction Management II	Block 5
30.	ET 525 (Construction Financial Management)	Construction Management II	Block 6
31.	ET 525 (Construction Human Resources Management)	Construction Management II	Block 7

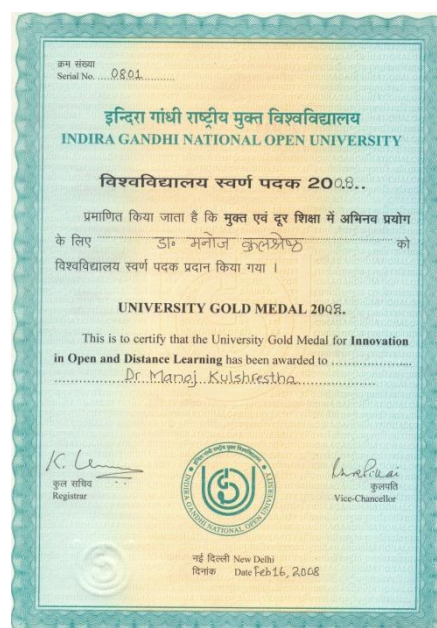
Annexure C

University Gold Medal 2008 for Innovation in Distance Education

Dr. Manoj Kulshrestha, Associate Professor in Civil Engineering, School of Engineering & Technology, Indira Gandhi National Open University (IGNOU) was awarded **University Gold Medal for innovation in distance education**. The medal has been awarded for the innovative programme design and delivery mechanism developed for Certificate Programme in Motorcycle Service & Repair (CMSR) launched under IGNOU-Hero Honda Project.



The Gold Medal was presented by H E Dr. Hamid Ansari, Vice-President of India in the University Convocation.



CIDC Award for Academic Excellence in Construction Industry

Dr. Manoj Kulshrestha, Associate Professor in Civil Engineering, School of Engineering & Technology, Indira Gandhi National Open University (IGNOU) was awarded the **Scroll of Commendation** in recognition of his contribution to academic excellence in construction industry by Construction Industry Development Council (CIDC), a body set-up by Planning Commission of India and Construction Industry. This award is particularly for his contribution in human resource development in construction industry through Construction Workers Vocational Qualification Programme (CWVQP).

The Scroll was presented by Dr. G. V. Ramakrishna, Chairman Emeritus CIDC and Former Chairman, Disinvestment Commission, Govt. of India in Viswakarma Award Function held in New Delhi on March 7, 2009.



World Education Award 2011 for the Best Innovation in Vocational Education and Skill Training

Indira Gandhi National Open University (IGNOU) was awarded Best Public Choice Award for Innovation in Vocational Education and Skill Training for IGNOU-HMCL Motorcycle Technicians Competency Development Project (IH-MTCDP).

Dr. Manoj Kulshrestha, Associate Professor and Project Coordinator of IGNOU-HMCL Motorcycle Technicians Competency Development Project (IH-MTCDP) received the award on behalf of Indira Gandhi National Open University (IGNOU) in the Award Ceremony during World Education Summit, 2011 jointly organised by Centre for Science, Development and Media Studies (CSDMS), Indira Gandhi National Open University (IGNOU) and Elets Technologies Pvt. Ltd

The award was given by Mr. K. Srikanth, Chief Selector of Indian Cricket Team and Former Captain of Indian Cricket Team in the gracious presence of Prof. V. N. Rajashekharan Pillai, Vice Chancellor. IGNOU in the ceremony held in Hotel Ashoka, New Delhi on July 14, 2011.



Education Leadership Award 2011 for Innovative Programme Design for the Skill Training and Certification of Motorcycle Technicians

Indira Gandhi National Open University (IGNOU) was awarded Education Leadership Award 2011 for Innovative Programme Design for the Skill Training and Certification of Motorcycle Technicians under IGNOU-HMCL Motorcycle Technicians Competency Development Project (IH-MTCDP).

Dr. Manoj Kulshrestha, Associate Professor and Project Coordinator of IGNOU-HHML Motorcycle Technicians Competency Development Project (IH-MTCDP) received the award on behalf of Indira Gandhi National Open University (IGNOU) in the Award Ceremony held on September 11, 2011 in IIT Delhi, New Delhi.