

1.Name **Dr. Ramesh B. Shivagunde**

2 Current designation **Joint Director
PSSCIVE, NCERT, Bhopal**

3.Address
a)Office Pandit Sunderlal Sharma Central Institute of Vocational Education (PSSCIVE), NCERT, 131, Zone II, M.P. Nagar, Bhopal
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4.Date of Birth 28-01-1960 ,(52 Years)

5. Educational qualifications (a)

Examinations	Board/Institute/ University	Div. Grade	Subjects/Courses Studied
S.S.C. (Tech)	NorthCourt Technical School (M.S. Board Pune)	First Class (Topper in the School) Merit Rank In Board	Languages, Math's, Science, Workshop Technology, Engineering Science (Mech. and Elect. Engineering Drawing)
H.S.C. (Tech)	NorthCourt Technical School (M.S. Board Pune)	First Class (Topper in the School) Merit Rank In Board	Languages, Physics, Chemistry, Mathematics Workshop Technology, and Engineering Drawing
Bachelor of Engineering B.E. (Mechanical Engineering)	Walchand College of Engineering Sangli	First Class	General Mechanical Engineering subjects, with electives -Automobile Engineering ,I.C. Engineering, Production Technology
P.G.D.B.M.	IMS Shivaji University Kolhapur)	First Class	Business, Industrial and Financial Management Courses
Master of Technical Education M. Tech (Edu)	TTTI Bhopal (Bhopal University)	First Class (4.37/ 5.00 CGPA	Technical Education Courses with electives,- Management of Change & innovation, Curriculum Development, Resources Management,- Instructional Systems Design and Development

Examinations	Board/Institute/University	Div. Grade	Subjects/Courses Studied
Master of Technology M.Tech (Design and Production-Thermal Engg.)	M.A.C.T. A regional Engineering College	First Class with Distinction (80%)	Design and Production of Heavy Engineering Power plant machinery (Thermal)
Doctor of Philosophy Ph.D (Technical Education)	TTTI, Bhopal (Barkatullah University)	---	Technical Education Management

6.(b) Certificate/Diploma

No	Certificate/Diploma	Name of the Organisation	Name of the Training Programme/Course
1.	Certificate in Educational Planning & Management	West Virginia University Morgantown, WV. USA	Professional Development Training of Educational Planning & Management
2.	Certificate in Computer-Aided Design and Computer-Aided Manufacturing (CAD/CAM)	Temasek Polytechnic Singapore	Commonwealth training programme on Train the Trainers in Computer-Aided Design and Computer-Aided Manufacturing (CAD/CAM)
3.	Certificate -Authorised Trainer in AutoCAD R-13 by AutoDesk Asia Pte Ltd.	AutoDesk Asia Pte. Ltd. Singapore	Commonwealth training programme
4.	Certificate in Engineering Consideration in Drawing'	Indian Institute of Technology (IIT), Bombay	Quality Improvement Programme on 'Engineering Consideration in Drawing'
5.	Certificate in Engineering Materials and Design	Indian Institute of Science (IISc), Bangalore	Quality Improvement Programme on 'Engineering Materials and Design'
6.	Certificate of Participation	UNDP & TTTI Madras	Instructional Printing Material its preparation, Production and Evaluation
7.	Certificate of Participation	Bhilai Steel Plant, Bhilai	Short Course on Mechanical Working of Metals
8.	Certificate in Entrepreneurship development for Graduate Engineer	IDBI-MSFC DIC-MITCON	Course on Entrepreneurship Development for Engineers

7. Experience

	Name Employer	Duration	Designation of post	Nature of work and level of responsibilities
	NCERT-MHRD New Delhi	05 Months	Joint Director	Head of the PSSCIVE
1	N.I.T.T.T.R Bhopal	10 Years	Professor of Management (Head of The Department)	Teaching Training, Research and Consultancy in Education Management and Technician and management Education
2	T.T.T.I Bhopal	09 Years	Assistant Professor in Education Management	Teaching Training, Research and Consultancy in education management and Technician Education
3	T.T.T.I Bhopal	06 Years	Lecturer in Mechanical Engineering	Teaching Training, and Research in Mechanical Technician Education
4	Government Polytechnic Solapur, Maharashtra	03 Years	Lecturer in Mechanical Engineering	Teaching Mechanical Engineering subject Admission and Assessment work
5	Bajaj Group Akurdi,Pune	02 Years	Engineer (Tool Room)	Design and manufacturing of Automobile Die casting Dies

8. Details of Publications

9.1 Book published 9.2 Papers published 9.3 Learning Resource Prepared 9.4 Researches Guided

9.1 Book Published

- **Structural Steel Drafting and Detailing** ISBN No.-81-7039-206-3 Somaiya Publications Pvt. Ltd. Dadar, Bombay-First Edition-1994 Since 1995 it is the Standard Text Book for 4th year B.E (Mechanical Engineering) course at Two Engineering Colleges and Reference Text Book for various Courses for many Polytechnics.
- **Sayukta van Prabhandhan and Gram Vikas** SBN -81-89200-28-3 First Edition-2004, Quality Publishing Company, Bhopal
- **Joint Forest Management**, SBN -82-89270-29-8 First Edition-2003, Quality Publishing Company, Bhopal

9.2 Published Papers

1. 'Improving the Quality in Technician Education through Quality Circle' Proceedings of International Conference on Information Technology in Education and Training - December 1996, D.A. University, Indore (M.P.) India.
2. 'The New Learning Environment in Information Technology Era - A Role of Technical Institution' Proceedings of National Conference on Information Technology for Twenty first Century, 1996, KREC, Suratkal (KS) India

3. Impact of Information Technology on Instructional Process in Technical Institution' Proceedings of 16th Annual Convention and Conference of Society for Information Science - January 1997 at Bhubaneswar (Orissa) India.
4. The Neurocybernetic Systems model applicable for Total Quality Management in Technical Institutions' Proceedings of National Conference of TQM in Technical Education - January 1997, MACT, Bhopal (M.P.) India.
5. 'A Relevance of Total Quality Management in Technical Institutions in India Proceedings of National Conference of TQM in Technical Education - January 1997, MACT, Bhopal (M.P.) India.
6. Total Quality Management Model for Engineering Institutions Proceedings of National Conference of TQM in Technical Education, January 1997, MACT, Bhopal (M.P.) India.
7. Total Quality Management-Means of meeting new challenges for Technical Institutions University News Association of Indian Univercities-nov96, New Delhi
8. Project Management in the 21st century Proceedings of seminar on Project Management in the 21st century Institution of engineers Ranchi Center (1996)
9. The response of Technical Institutions to the new demands of the learner in info-society Perspective in education journal of society for education research and development 96 Baroda, India
10. A Model for Quality Management and HRD in Technical Institution Indian Society for Training and Development ISTD journal 1996 New Delhi
11. Solving Problems through Participative Approach in Polytechnics Proceedings of 26th Annual Convention of ISTE - January 1997, Jaipur, and Rajasthan than India.
12. Total Quality Improvements in Polytechnics - An Indian Experiment International Forum on Technical & Engineering Educators in developing countries 25-27 Nov. 1998 Korea University of Technology & Education, Republic of Korea
13. The relevance of computer based training (CBT) technology in engineering institutions in India. XXVII-ISTE Annual Convention 97 & National Seminar on global interconnectivity for Technical Education in India. (Dec. 19-21, 1997)
14. TQM and its implementation in Technical Institutions ICTE.21- International conference on Technical Education in 21st Century 8-10 Jan. 98 at M A C T Bhopal On Technical Education & Strategies in global perceptive.
15. A New Systems thinking to implement TQM in Technical Education. ICTE.21- International conference on Technical Education in 21st Century 8-10 Jan. 98 at M A C T Bhopal On Technical Education & Strategies in global perceptive.
16. Challenges for Technical Institution in the new information Technology Era. XXVII-ISTE Annual Convention 97 & National Seminar on global interconnectivity for Technical Education in India. (Dec. 19-21, 1997)
17. A New Systems Thinking to Implement Total Quality Management in Technical Institutions International conference on `Educational culture in the 21st Century. Knowledge Teacher and Technology 29th - 31st Jan. 99 ASC, Khanapara, Guwahati (Assam) by All India Association for Education Technology.
18. Improving Quality Performance of Institutions through Q C. XXIX-National convention ISTD 'People-Technology interface-issue, Challenges for H R D. at Udaipur Nov. 5-7, 1998.

19. Total quality improvement of Polytechnics-An innovative approach.1st world congress of College & Polytechnics Association of Canadian Community colleges Quebec City Quebec Canada May. 29-June, 1999.
- 20.An innovative approach in Technician Education System for solving work related Problems by quality circles. The Indian journal of Technical Education, Vol. 21, No 1, Jan.-March 1998.
- 21.Conflicts in Polytechnics- A Case Study. The journal of Engineering Education July-September 1997.
22. Quality Circle an Approach to Solve Polytechnic Problems The journal of Engineering Education July-September 1996.

9.3 Development of Book, Course Material and Modules and Training Packages

Developed the Course material, Modules, Power Point presentations, case studies, video films, on various topics and used in Workshops, short courses, teaching post graduate courses

No Name of Module

1. Leadership in change
2. Effective Decision making
3. Strategic Planning
4. Creative Problem solving
5. Total quality management in Polytechnics
6. Planning with Logical framework analysis
7. Institution Building Process
8. Systems methodology
9. Resources Management in Polytechnics
10. Competency based Training for Management development
11. Theory of Constraint for Project management
12. Effective utilisation of Polytechnic Recourses
13. Organisational Growth and Development
14. TQM Approaches -Analysis
15. Quality circles in Polytechnics
16. TQM and ISO 9000
17. Creativity techniques
18. Strategies for improving Polytechnic performance

9.4 List of dissertations and research projects guided (at Under Graduate and Post Graduate level-in Technical Education, Management, and Engineering)

	Titles	Year
1.	A study of utilisation of physical resources of technical institutions in Nepal	2002
2.	A study of constraining and facilitating factors to choose and continuation of teaching profession of engineering graduates of Raigad district of Maharashtra state	2001
3.	A critical study of the scope and use of Internet services in Bhopal	1998
4.	A critical study of efficiency and performance and strategies to improve the performance of polytechnics of Maharashtra	1998
5.	Competency based entrepreneurship course development and strategically to implement for Maharashtra	1997

	Titles	Year
6.	Leadership style of managers as viewed by there subordinates in selected industries of Mandideep industrial area, Bhopal	1996
7.	Designing management information system for industry institute interaction of Maharashtra state	1996
8.	Case studies on Conflicts in Polytechnics and adopted styles to resolve conflicts in selected Polytechnics of Maharashtra State	1995
9.	Design decision making system for selecting SSI in Madhya Pradesh	1995
10.	A Study of equipment utilisation of polytechnics in Madhya Pradesh	1995
11.	A critical study of Conflict resolution styles of polytechnic principal	1993
12.	Designing a model for monitoring & Generating performance indicators of WBA Project in Polytechnics of Madhya Pradesh.	1992
13.	Designing strategies for marketing SSI products in Madhya Pradesh	1989
14.	Design and development of multimedia learning package on screw cutting on Lathe machine	1988
15.	TEFR of Aluminium fixtures and components	1985
16.	Comparison of advance welding techniques	1984
17.	Market survey of gravity die casting components	1983
Research Study Projects Completed		
1.	Design, development, Fabrication and Testing of Automatic Bottle Washing Machine (<i>Best Mechanical Engineering Project award</i>)	1981
2.	Techno economic feasibility Report of Pressure die Casting Industry for Non-ferrous casting.	1985
3.	Study of Distance mode Technician Education Institute (GPDL) Education of Maharashtra State	1987
4.	Computer aided design and manufacture of small components on computer numerical control lathe considering various parameters	1996
5.	A study of Management factors influencing Autonomous Polytechnics of Maharashtra States	2002

10. Any relevant information.

A) Membership of Professional Bodies

Worked as member of various Societies like ISTE, ISTD, CII, FICCI and in selection committees like Member of Western Region committee on TQM and Quality Management of Industries of CII members (1998-99), Member of Judges Panel Quality Circle Competition Madhya Pradesh State Level at Bhopal (1999-203), leader of Judges Panel for Quality Circle Competition Madhya Pradesh State Level at Bhopal (1999), leader of Judges Panel First state level Competition on Industrial Safety, Environment Madhya Pradesh State Level at Bhopal (1999) and also at Institute level

C) Other important information

My unique and most relevant Educational Qualifications (Doctoral level in Technical Education and Masters degree in Engineering, Technical Education and Management), experiences **(30 Years)** and contributions in Technical Education as faculty, trainer, Researcher consultant and administrator for two decade made me competent and confident to perform the role of the Joint Director. My contributions are:

Worked as Member and Team leader for Designing, developing and implementing in for more than **15 Projects undertaken** by the Institute (Annexure-1)

Worked in various capacities (Team leader/Coordinator/Faculty Member/Member of the Team for Designing, Developing and Implementing more than **400 training Programmes** and more than **5000 persons from polytechnics, industries and field agencies have been benefited.** (List enclosed in Annexure-2)

- Incorporated Project Management Framework and Total Quality Management in training and Research.
- Impact oriented, competitive and quality projects offered to various clients and completed successfully.
- Put up proposals (Technical and financial) and negotiated collaboration with various clients for training Projects.
- Devised models of Strategic Planning for Directorates of Technical Educations at state level for promoting polytechnic development
- Organized and conducted *Leadership Development Programmes for Principals and HODs* of Polytechnics and Engineering Colleges
- Organized and conducted Management Development Programmes for Executives of BHEL Bhopal, Sunflag Iron and Steel Co. Ltd.
- Organized and conducted Management Development Programmes for functionaries of the Department of Forests of Madhya Pradesh, Maharashtra state and other States.
- Provided consultancies for Quality Circles and TQM Project in the polytechnics.
- Contributed towards drafting of certain components of the documents of Youth Policy, AICTE, and World Bank Assisted Project.
- Initiated establishment and development of NC/CNC Laboratory and made operative.
- Fulfilling consultancies for TQM and ISO-9000 for TTTI Bhopal.
- Devised models of TQM for state level engineering institutions in Madhya Pradesh
- Developed collaboration with 02 major industries and one Field agencies at TTTI, Bhopal.
- Designed and implemented many Competency Based Teacher Development, Management Development, Trainer Development and Supervisor Development Training Programmes.
- Developed curriculum for various courses of Mechanical Engineering and Management Training Projects.
- Completed a PhD Research Project on Management Factors Influencing Performance of 16 autonomous polytechnics of Maharashtra State covering large sample of 883 Respondents.
- Made innovative process changes to improve quality of services for lodging, boarding, library and learning resources for customers and the users at TTTI Bhopal
- Organized and conducted researches on Polytechnic performance, equipment utilization, marketing strategies etc.
- Prepared List of Equipment in the area in Mechanical Engineering diploma courses
- Contributed as one of the authors of Training Manual for NSS Programme Officers
- Developed **07 Learning Packages** in Education Management area.

- Introduced Quality Circles as an Approach to Total Quality Management in 07 Polytechnics of Western Region
- Worked as member of various selection committees
- Prepared 08 Volumes of Learning Material for management courses for M.Tech Ed. Trainees.
- Prepared more than **20 Instructional Modules**
- Implemented 06 Training Projects.
- Taught postgraduate courses for M.Tech (Edu.), during last 15 years.
- Guided 16 post graduate and undergraduate thesis in areas of Tech. Education, Mechanical Engineering and Management
- Guided 16 research study projects undertaken by Trainees and Students
- Designed curriculum for integrated modular distance mode Certificate Diploma, Post Diploma and Post Graduate Degree in Education Management.
- Prepared Annual Reports of the Institute

11. Competencies

- Develop and strengthen relationships with stakeholders
- Administration of Sections/Centre/Department
- Marketing of Institutional services and Products
- Designing, developing, implementing and evaluating management development and Teacher Development training **programmes and projects** in Technician Education
- Guiding masters and PhD level research projects and undertaking TVET systems studies and researches
- Documentation, Report writing and Presentation
- Conducting and guiding Researches.
- Preparing innovative technical and financial proposals
- Skilled in using various soft wares on UNIX, DOS and window platform like AutoCAD, MS-Office, Met Lab
- Language Proficiency in English, Hindi, Marathi and Kannada
- Highly Creative, Innovative and Risk Taking /Hobby-Reading Books in Management area

Place: Bhopal
Candidate
Date:

Signature of the