

CURRICULAM VITAE

DEEPAK DINKARRAO SHUDHALWAR

Asst. Professor in Sr. Scale in VE (Computer Science/Engg.)

PSS Central Institute of Vocational Education (PSSCIVE)

131, Zone II, M. P. Nagar, Bhopal 462 011, MP, India

A Constituent Unit of

National Council of Educational Research & Training (NCERT)

An Autonomous Organization under MHRD, Govt. of India

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Date of Birth: 17th April N. H. Seventy One (17/04/1971)

Nationality & Birth Place: Indian, Lakhani, Dist. Bhandara, Maharashtra

Language of Communication: Marathi, Hindi, English

Extra Curricular Activities: NCC Cadet in School, Passed Elementary and State Level Intermediate Drawing Examination.

Area of Specialization & Interest: Computer Science and Engineering, Information and Communication Technology, Software Engineering, Educational Technology, Vocational Education and Training (VET).

Professional membership: Life member of Indian Society of Vocational Education.

EXPERIENCE SUMMARY:

- 16+ Years of combined experience of teaching in Undergraduate & Post Graduate Courses, Coordinating Research, Development, Training and Extension programmes.
- 2 Years as a Programmer and Faculty at Kamla Nehru Mahavidyalaya, Nagpur, Maharashtra
- 10+ Years as In-charge Computer Center at PSSCIVE, NCERT, Bhopal
- 5+ Years as EDUSAT Coordinator at PSSCIVE, NCERT, Bhopal
- 15 Years Experience as an Examiner for setting Question paper, Valuer, Conducting Practical viva and Project evaluation for BCA, MCA, MCM & M. Sc. in **Computer Science** for RTM Nagpur University, Nagpur

- 14+ Years Experience in Design & Development of Course Curriculum, Instructional Material for Vocational Courses at PSSCIVE, NCERT, Bhopal
- Worked as an Expert for Design & Development of Course Curriculum, Instructional Material at DCETA, NCERT, New Delhi
- Attended International and National Conferences
- Invited speaker for Workshop/ Conference

EDUCATION:

- **M. Phil. (Computer Science) (2005-2011)**
Alagappa University, Karaikudi, (TN) – India.
- **M. Sc. Computer Science (1993-1995)**
Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (MS) – India.
- **B. Sc. (Physics, Maths, Computer Science) (1989-1993)**
Nagpur University, Nagpur
- **H. S. C. (Physics, Chemistry, Biology, Maths, English, Marathi) (1989)**
Samarth Jr. College, Lakhani, Dist. Bhandara (M.S.), Maharashtra Board
- **S. S. C. (Languages, Science, Maths, Soc. Science) (1987)**
Samarth Vidyalaya, Lakhani, Dist. Bhandara (M.S.), Maharashtra Board

UGC-ASC ORIENTATION AND REFRESHER COURSES ATTENDED

1. Orientation Course in Information Technology at R. D. University, Jabalpur
2. Refresher Course in Computer Science at Nagpur University, Nagpur
3. Refresher Course in Computer Science and Engineering on “Intranet Application with Java” at UGC Academic Staff College, Jawaharlal Nehru Technological University, Kukatpally, Hyderabad (12 Nov to 1 Dec, 2007)
4. Refresher Course in Computer Science and Engineering on “Free & Open Source Software: An Academic and Research Perspective” at UGC Academic Staff College, Jawaharlal Nehru Technological University, Kukatpally, Hyderabad (25 August to 16 September, 2008)

PROFESSIONAL TRAINING PROGRAMMES ATTENDED

1. Training Programme on “Unix System Administration”, at NIC, Pune.
2. Training Programme on “NICNET and Internet” at NIC, Pune.
3. Training on “AutoCAD Map Release 2”, conducted by National Center for Human Settlement & Environment, Bhopal.
4. Training Programme on “Direct Trainer Skills”, conducted by Academy of Administration, Bhopal.

WORK EXPERIENCE:

Computer Faculty a CIC-CCIT, Nagpur

July, 1995 to April, 1997

Teaching and training various programming languages and software packages to the students, Guiding in the practicals, projects

Programmer-cum-Faculty at Kamla Nehru Mahavidyalaya, Nagpur

Dec, 1995 to 20 May, 1997

Teaching B. Sc. (Computer Science), PGDCCA, PGDDCSA and MCM students various subjects, programming languages and software packages in Computer Science and Applications, Guiding in the practicals, projects, Conducting examinations

PSS Central Institute of Vocational Education (PSSCIVE), Bhopal

21 May, 1997 till Date

PSSCIVE is an apex R & D Institution and a constituent of NCERT under MHRD, Govt. of India in the area of Vocational Education & Training (VET) in the country. It undertake Research, Development and Training activities for the sate key functionaries, principals and teachers for promotion of VET throughout the country.

Lecturer and Lecturer (Sr. Scale) in VE (Computer Science/Engg.), PSSCIVE, NCERT, Bhopal, India

May 1997 till Date

1. Responsible for conducting **Research, Development, Training and Evaluation** in Computer Science and Vocational Education.
2. Responsible for organizing **Regional, National and International** level seminars in the area of Computer Science and Vocational Education.
3. Responsible for the **smooth functioning** of Computer Center of the Institute.
4. Responsible for the **smooth functioning** of EDUSAT Center of the Institute.
5. Responsible for the Development and Maintenance of **PSSCIVE Website**.
6. Responsible for upgrading and recommending the computer hardware and software for the institute.
7. Organized the number of **Training** programmes in Computer Science for Vocational Teachers at+2 level.
8. Developed number of **Vocational Curricula** in Computer Science +2 level.
9. Organized regional level **seminars and workshops** in Computer Science.

10. Worked as and **Examiner** for paper setting, evaluation, practical and project viva at UG and PG level in the University.
11. Worked as **In-charge Computer Center** in PSSCIVE, NCERT, Bhopal
12. Worked as **EDUSAT Coordinator** in PSSCIVE, NCERT, Bhopal
13. Worked as **Web Coordinator** in PSSCIVE, NCERT, Bhopal
14. Worked as **Chairman, Annual Maintenance Committee** in PSSCIVE, Bhopal
15. Worked as a State Coordinator of Himachal Pradesh, Goa, Assam and Meghalaya.
16. Worked as a **member of Purchase Committee** in PSSCIVE, NCERT, Bhopal
17. Worked as a **member of selection committee** for selection of Computer Operator and Computer Assistant in the institute.
18. Worked as a **Chairman of Screening Committee** of Computer Operator.

TECHNICAL PROFICIENCY:

1. Operating System: Linux and Windows
2. Programming Languages: C, C++
3. Web Programming: HTML, ASP, JavaScript, VBScript.
4. Visual Programming: Visual Basic.
5. Electronics: Microprocessors, Digital Electronics

PUBLICATIONS:

Publications (Soft Print)

1. Web application on Question Bank,
2. Dynamic an database driven website of PSSCIVE,
3. Software on Question Bank,
4. Computer Based Training Package on ICT for GFC,
5. An application to generate Institute Calendar for programmes,
6. System Design for Vocational Guidance Information System,
7. Hospital Management System during M.Sc. Study.

Publications (Papers and Articles)

1. Shudhlwar Deepak. 2011. Role of ICT in Environmental Education. National Seminar on Environmental Education 2011, NERIE, NCERT, Shillong.
2. Shudhlwar Deepak. 2011. Role of ICT in Right to Education. National Seminar on RTE 2011, NERIE, NCERT, Shillong.
3. Shudhlwar, Deepak and Dr. Khanale Prakash. 2010. Design Aspects of Online Vocational Competency Testing System (OVCTS) to Improve Teaching Learning

- Process and Competency Testing in Vocational Education and Training (VET) in India. International Educational Technology Conference 2010, held in Istanbul, Turkey, April 26-28, 2010.
4. Shudhlwar, Deepak and Dr. Khanale Prakash. 2010. "Design of Web-based Examination System to Improve Learning in Vocational Education in Schools of India". National Conference on ICT: Theory, applications and practices. Organized by Department of Computer Science and Engineering , School of Engineering , Sir Padampat Singhania University, Udaipur – 313 601 during 5,6 March, 2010.
 5. Shudhalwar Deepak. 2008. Trends in Information Technology (in Hindi). National Conference on "Information Technology: Trends and Possibilities", organized by Commission for Scientific and Technical Terminology, MHRD, Government of India, at Dr. B.R.A. University, Agra during 14 & 15 March, 2008.
 6. Shudhlwar, Deepak and Dr. Manu Pratap Singh. 2008. Various aspects of Re-usability of Software's Objects as intelligent Agents: A Review aspect. 5th National Conference on Advancement of Technologies "Soft Computing". 2008.
 7. Shudhalwar Deepak. 2006. Computerized Question Banking for Effective Teaching Learning and Evaluation of VET. National Conference on "Vocational Education Trends and Issues", organized by Directorate of Vocational Education and Training, Maharashtra and PSSCIVE, NCERT, Bhopal at Pune during 2 & 3 May 2007.
 8. Shudhlwar, Deepak and Dr. Manu Pratap Singh. 2007. Analysis for improvement of Component Based Software Reliability with Backpropogation through Time Model of Artificial Neural Network. National Conference and Symposium on Information and Communication Technology, organized during 3 to 5 February, 2007.
 9. Deepak Shudhalwar. 2006. Employment Opportunities and Future Career Paths in Computer and Information Technology related vocations. National Seminar on Vocational Education and Training: Present and Future Directions, organized by PSSCIVE, NCERT, Bhopal during 4-5 July, 2006. pp125-128.
 10. Deepak Shudhalwar. 1998. Selection of Vocational courses appropriate to local economy. Golden Jubilee Regional seminar Vocational Education for the Eastern region at RIE, Bhubneshwar.
 11. Verma, A.P., Prakash, Saurabh and Deepak Shudhalwar. 2001. Integrated approach for skill based training using Information Technology Tools. Journal of Indian Education, Nov. 2001, pp57-65.

Publications (Curricula Development)

1. Computer Technique.
2. Software Applications.
3. Computer Assembly and Maintenance.
4. Computer Aided Design and Drafting.
5. Information Technology.
6. Information Technology for visually impaired.
7. Computer Technique for Himachal Pradesh, Punjab, Haryana.
8. Computer Technique in Semester pattern.
9. Information and Communication Technology for GFC.
10. Information Technology in Modular form
11. Competency Based Modular curriculum on Computer Technique.
12. Rural Informatics Management (Worked as an expert).
13. Purchasing and Store Keeping (Worked as an expert).
14. Generic Vocational Course (Hindi Translation).
15. Computer & Communication Technology (NCERT).
16. NVEQF on Information Technology (CBSE)

Publications (Instructional material Development)

1. Instructional Module on “Internet Café”.
2. Instructional Module on “Beginning with Visual Basic”.
3. Instructional Module on “Web Design Tool HTML”.
4. Hospital House Keeper and Record Keeping vocational course at +2 level (A chapter on Computer fundamentals and applications).
5. Generic Vocational Course, Class XII, Theory and Practical (Authored a chapter).
6. Instructional material on Information and Communication Technology for General Foundation Course for all Vocational Courses.
7. Generic Vocational Course Class XI, Text Book (Hindi Translation).
8. Generic Vocational Course Class XI, Practical Book (Hindi Translation).
9. Generic Vocational Course Class XII, Text Book (Hindi Translation).
10. Generic Vocational Course Class XII, Practical Book (Hindi Translation).
11. Reviewed NCERT workbooks on Information Technology at school level.
12. Competency Based Module on Computer Hardware Repair & Maintenance.
13. Competency Based Instructional Module on Linux.
14. NCERT, Class XI, Textbook, “Computer and Communication Technology”
15. NCERT, Class XII, Textbook, “Computer and Communication Technology”

Training Programmes Organised & Participated as a Resource Person

1. Training of Vocational Teachers in Computer Science for Kerala State,
2. Orientation Programme on Need and Importance of Vocational Education for Principals and Teachers of Mizoram State
3. Teachers Training Programme in Computer Technique for the states of Goa, Karnataka and Maharashtra.
4. Training of Teachers of Engineering and Technology Based Vocational Courses of Goa State in Evaluation Techniques.
5. Training of Teachers in Information and Communication Technology for the Assistant Lecturers of Maharashtra.
6. Participated as a resource person in the Training of Teachers in Marketing and Salesmanship (Resource Person).
7. Training of Teachers of Engineering and Technology Based Vocational Courses in Establishing and Managing Production-sum-Training Centre for the Haryana State.
8. Teachers Training Programme in Linux of Computer Technique vocational course for Goa state from 1 to 5 March 2006.
9. National Teacher Training Programme on Computer Application for the Commerce based vocational courses (Resource Person).
10. Training programme on Information and Communication Technology for General Foundation Course for the GFC Instructors of Haryana
11. In-service teacher-training programme on Computer Science for the lecturers of Andhra pradesh state
12. Teacher-training programme on Information and Communication Technology for General Foundation Course for the states of Maharashtra, Haryana and Punjab
13. Training programme on Information Technology for key resource persons of DIET in Madhya Pradesh organised by RIE, NCERT, Bhopal (Delivered lectures, conducted practical, prepared training materials).
14. In-service teacher-training programme on Computer Technique vocational course for the states of Punjab, Himachal Pradesh, Madhya Pradesh and Goa.
15. In-service teacher-training programme on Computer Application for the Madhya Pradesh state.
16. Training programme on Information Technology for key resource persons of DIET in Madhya Pradesh organized by RIE, NCERT, Bhopal.
17. Delivered a lecture cum demonstration on use of Information Technology for vocational education in the training and orientation programmes organized at PSSCIVE.

Extension and Field Outreach

1. District Vocational Education and Training Plan for Anand District.
2. Participated as a Resource person in the Sensitization of key functionaries of NGOs, Jan Shikshan Sansthan and other Stakeholders of Maharashtra
3. Sensitisation of SC key functionaries of Western Region towards Vocational Education
4. Participated as a Resource person in the Orientation programme for key functionaries of Minority institutions.
5. Orientation programme on Vocational Education for the key functionaries of minority institutions.
6. Delivered a lecture cum demonstration on use of Information Technology for vocational education in the training programmes and orientation programmes organized by PSSCIVE at PSSCIVE, Bhopal.
7. Participated in a Seminar on “Linux Implementation: Roadmap to Success” organized by PHD Chamber of Commerce and Industry on 22nd November 2003.
8. Search conference of Automobile industries. (Participated as a resource person).
9. Orientation programme on VEP for key functionaries of Tamilnadu state.
10. Orientation programme for vocational teachers of different states
11. Evaluation of vocational education proposals of NGOs.
12. Orientation programme on VEP for SC, ST key functionaries
13. Orientation Programme on Vocational Education for minority institutions
14. Career conference at lab schools of Bhopal for guidance and counseling of Engineering and Technology based vocational courses.
15. Orientation programme for the teachers of Goa state for the curriculum development, evaluation and teaching methodology.
16. Career conference at lab schools of Bhopal for guidance and counseling of Engineering and Technology based vocational courses.

References

1. Prof. Dharendra Pal Singh
Former Vice Chancellor of BHU and Central University, Sagar
Presently at PSSCIVE, NCERT, Bhopal, India
2. Dr. Prakash Khanale
Vice Principal and Head, Department of Computer Science, D. S. M. College
Parbhani – 431401, Maharashtra, India, Email: prakashkhanale@gmail.com
3. Prof. L. Pratap Reddy
Head, Department of ECE, Jawaharlal Nehru Technological University,
Kukatpally, Hyderabad, Andhra Pradesh, Email: pratap@swetcha.in

(Deepak D. Shudhalwar)