

Professional Profile

SACHIN BHAGAT, Associate professor
BPO, MPO (AIIPMR, Mumbai)

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RCI No. - A23391

Clinical and teaching experience:

-Ottobock, Mumbai	:	2010
-Endolite Ind. Ltd, Nagpur	:	2010-2011
-AIIPMR, Mumbai	:	2011-2013
-IIPO, Chennai	:	2013-Till date

Research Work done on:

- Advanced Dual Axis Articulated AFO
- Analysis of an Indigenously Designed Energy Storing Prosthetic Foot Using FEA
- Analysis of Stress Distribution in Transfemoral Prosthetic Socket
- Educational Paradigm at Bachelor level Prosthetics and Orthotics.

Professional Milestone:

- Completed RCI recognized, CRE program, on performance of Microprocessor controlled smart hybrid knee on active TF amputee, In the year 2012.
- Participated in Integrated Rural Health and Development Project (IRHDP), Tata Institute of Social Science, Mumbai.
- Completed a CRE program on Scoliosis and its Management. At Kachh, Gujrat.
- Participated in 19th National conference of Prosthetics and Orthotics, New Delhi, in the year 2010.
- Presented a scientific paper on, "Advance Dual Axis Articulated Ankle foot Orthosis, At 19th OPAI conference, New Delhi.
- Attended 20th OPAI conference, held at Shillong, Feb, 2012.
- Participated in 14th World congress of International Society of Prosthetics and Orthotics (**ISPO, 2013**), held at Hyderabad.
- Participated in 21st OPAI conference, 2014- Chennai.
- Delivered a scientific paper on, "Analysis of Stress Distribution in Trans-femoral Prosthetics Socket" in 21st OPAI conference, 2014-Chennai.
- Delivered a scientific paper on, "**Educational Paradigm at Bachelor level Prosthetics and Orthotics**", at Chennai-2014.
 - Successfully organized and participated, CRE program on "Smart Materials and Active Systems for Modern Prosthetics and Orthotics", IIPO, Chennai.

- Worked and submitted a dissertation to MUHS, on Advanced Dual axis articulated Ankle foot orthosis.
- Worked on research thesis "**Analysis of An Indigenously Designed Energy Storing Prosthetic Foot Using FEA**" under a guidance of Mr. A. G. Indalkar, Head of the Department, Prosthetics and orthotics, AIIPMR, Mumbai.
- Appointed as an External Examiner for ensuing RCI Examination, for DPO students, CMC, Vellore.
- Worked as a paper evaluator for RCI Examination, CMC vellore.
- Appointed as an external examiner for practical examination, BPO students, Tamil Nadu Dr. MGR Medical University, Chennai.
- Participated in the two days Orientation Program & Course Coordinator meet for South zone, organized by Rehabilitation Council of India, New Delhi.

Computer skills: Basic knowledge of Ms-Office, AutoCAD, CAD-CAM, Ansys

Clinical Research Interest:

- Engineering Analysis of prosthetic and orthotic Devices
- Upper extremity orthotics
- Finite Element Analysis Applications in Prosthetic and Orthotics.
- Development of Prosthetics and orthotics componentry that appropriates Indian peoples needs