

**Day 1 – FRIDAY 06/02/2026****REGISTRATION – 8.00am – 9.00 am****Breakfast & Tea - 9.00am – 9.45 am****HALL 1****Hall Coordinator 1 – Mr. Rajesh Kumar Mohanty****Hall Coordinator 2 - Mrs. Arpita Padhi****Anchor - Priyambada Priyadarsini (SVNIRTAR)****Tech. Asst. - Yadav Pitambar Jayprakash (SVNIRTAR)****Volunteer 1 - Deep Dasgupta (NILD)****Volunteer 2 - Blessy Merrin Deboral A (CMC)****Chairpersons 1- Mr. Ashok Rath****Chairpersons 2 – Mr. Vilas****Salodkar****SESSION - 1****Subject - ORTHOTICS**

<b>TIME</b>	<b>ABSTRACT ID</b>	<b>TOPIC</b>	<b>PRESENTER</b>	<b>AUTHOR</b>	<b>INST./ORG./CO.</b>
9.45 – 9.55 am	OPAI – 11	Abduction dorsiflexion mechanism club foot orthosis	Roshan Lal Prasad	Roshan Lal Prasad	PDUNIPPD New Delhi
9.55 – 10.05 am	OPAI – 19	Emerging Biomechanical Adaptations and the Rising Incidence of Plano Valgus Feet Among the Modern Young Generation: A Clinical Insight	Kaushik Kumar Patra	Dr. Rajesh Kumar Mohanty	SVNIRTAR Cuttack
10.05 – 10.15 am	OPAI – 155	Progressive Orthotic Management in Congenital Lower Limb Deformities: From Tradition Bracing to Modular Extension Orthoprosthesis.	Sanjana S. Palaskar Gaurav G. Gawande	Devidas Thakre Minakshi Behera	AIPMR Mumbai
10.15 – 10.25 am	POSTER - 06	Rural to Urban and Curriculum Innovation in Prosthetics and Orthotics Education	Devyani R. Thale Prem Datta Jogdand	Dr. Swagatika Mishra	MGMIUDPO Navi Mumbai
	POSTER - 31	Decoding the Brain: The future of Brain-Controlled Prosthetics	S. L. Gouthamy Sushama Sasikumar	Mr. Dibya Ranjan Swain	NIPMR, Thrissur

<b>11.00 – 12.00 am</b>	<b>INAUGURATION – HALL 1</b>		
<b>12.00 – 1.00 pm</b>	<b>KEY SPEAKER SESSION – HALL 1 – 06/02/2026</b>		
<b>Hall Coordinator 1 – Mr. Rajesh Kumar Mohanty</b>		<b>Hall Coordinator 2 - Mrs. Arpita Padhi</b>	
<b>Anchor - Sonali Mishra (SVNIRTAR)</b>		<b>Tech. Asst. - Prantik Nath (SVNIRTAR)</b>	
<b>Volunteer 1 - Rudra Kanta Dixit (SVNIRTAR)</b> <b>(NIEPMD)</b>		<b>Volunteer 2 - Rajashree Priyadarshini</b>	
<b>Chairpersons 1- Dr. Piyush Mittal</b>		<b>Chairpersons 2 – Dr. Jitendra Sharma</b>	
<b>TIME</b>	<b>TOPIC</b>	<b>PRESENTER</b>	<b>ORGANISATION</b>
12.00 – 12.15 pm	Low-Cost Technology in Neurorehabilitation for LMIC	DR. Nirmal Surya	Professor - Neurorehab PACIFIC University, Udaipur
12.15 – 12.30 pm	Why the Next 10 years of Prosthetics will be Digital?	Mr. Yutaka Tokushima	Chief Executive Officer, Japan INSTALIMB
12.30 – 12.45 pm	Transforming Orthotics & Prosthetics with Digital Manufacturing and 3d Printing	Mr. David Soriano	O&P Segment Manager HP Additive Manufacturing Solu.
12.45 – 1.00 pm	Reactivating the Brain – Body Connection: The PNF Reboot in Upper Limb Rehabilitation	Dr. Andrey Shumaev	Director of Rehabilitation Cyber Motorica, Russia
1.00 – 1.15 pm	Long term Review of C-Brace Fitment in India	Mr. Santosh Kumar Rout	Head - Business Development Otto Bock Health Care India, Mumbai
<b>1.15 – 2.00 pm</b>	<b>LUNCH</b>		
<b>HALL 1 - 06/02/2026</b>			
<b>Hall Coordinator 1 – Mr. Rajesh Kumar Mohanty</b>		<b>Hall Coordinator 2 - Mrs. Arpita Padhi</b>	
<b>Anchor - Nidhi Kashyap (SVNIRTAR)</b>		<b>Tech. Asst. - Rithick Roshan B (CMC)</b>	

<b>Volunteer 1 - Sikun Sahoo (SVNIRTAR)</b>			<b>Volunteer 2 - Sharlin CS</b>		
<b>(CMC)</b>					
<b>Chairperson 1 – Mr. Narendra Patil</b>			<b>Chairperson 2 – Mr. Rajesh Das</b>		
<b>SESSION - 4</b>		<b>HALL 1 - 06/02/2026</b>	<b>Subject – ORTHOTICS</b>		
<b>TIME</b>	<b>ABSTRACT ID</b>	<b>TOPIC</b>	<b>PRESENTER</b>	<b>AUTHOR</b>	<b>INST./ORG./CO.</b>
2.00 – 2.10 pm	-----	ICRC's Physical Rehabilitation Program in India and Assistive Technology.	Charu Sharma	Charu Sharma Physical Rehb. Project Manager	ICRC New Delhi
2.10 – 2.20 pm	OPAI – 157	Comparative study between Indigenous Design Electromechanical Orthotic Knee Joint with Drop Lock Orthotic Knee Joint	Mr. Yogendra Kumar Dubey	Mr. Yogendra Kumar Dubey	Govt. Physiotherapy college Raipur
2.20 – 2.30 pm	OPAI – 42	Effect of Spring Assisted Knee Ankle Foot Orthosis on walking in SCI Patients	Dr. Hritik Pawar	Dr. Hritik Pawar Dr. Sagar Deshpande	Move Better (Mahavir Ent.) Pune
2.30 – 2.40 pm	OPAI – 17	The Science of Selection: Decoding AFO, KO and KAFO Prescription Models	Mr. Swarup Samal	Mr. Swarup Samal	AIIMS Mangalagiri
2.40 – 2.50pm	OPAI – 149	Pedobarographic Analysis in Diabetic Foot Orthotic Insoles of Various Material Combinations: An Optimization Approach	Dr. Rajesh Kumar Mohanty	Dr. Rajesh Kumar Mohanty	SVNIRTAR Cuttack
2.50 - 3.00 pm	POSTER – 07	Utilization of a Smartphone-Based Application for Musculoskeletal and Scoliosis Assessment in Prosthetics, Orthotics, and Rehabilitation Education	Sushma Ashok Singh Jessica Elicia Fernandes	Dr. Swagatika Mishra Ms. Sushma Ashok Singh	MGMIUDPO Navi Mumbai
	POSTER – 08	Lightweight Carbon Fibre Prosthesis for Functional Rehabilitation following Chopart Amputation: A Case Study	Pooja Behera Sumit Bhowmik	Pooja Behera Sumit Bhowmik	Proactive Technical Orthopedics Pune
	POSTER – 16	Ethical consideration in Prosthetic and Orthotic Services: Solutions for Balancing Quality Care, Accessibility and Affordability.	Meelenee Mantry	Meelenee Mantry	AIIMS Mangalagiri

3 – 3.45 pm	<b>GROUP DISCUSSION</b>				
	<b>P &amp; O Services with Insurance Feasibility –Shikha Shukla- Jagota, Praveen Kumar Dubey, Pankaj Kumar Sinha</b>				
3.45 – 4 pm	<b>TEA BREAK</b>				
<b>HALL 1 - 06/02/2026</b>					
<b>Hall Coordinator 1 – Mr. Rajesh Kumar Mohanty</b>			<b>Hall Coordinator 2 - Mrs. Arpita Padhi</b>		
<b>Anchor - Sai Nistha (SVNIRTAR)</b>			<b>Tech. Asst. - Praveen RSM (CMC)</b>		
<b>Volunteer 1 - Mohit Kumar Sarangi (SVNIRTAR) (NIEPMD)</b>			<b>Volunteer 2 - Antra Srivastava</b>		
<b>Chairperson 1 – Mr. B. Madhouraj Soni</b>			<b>Chairperson 2 – Mr. Mithilesh</b>		
<b>SESSION - 7</b>		<b>Subject - ORTHOTICS</b>			
<b>TIME</b>	<b>ABSTRACT ID</b>	<b>TOPIC</b>	<b>PRESENTER</b>	<b>AUTHOR</b>	<b>INST./ORG./CO.</b>
4.00 – 4.10 pm	OPAI – 03	Effect of Flexible SMO on Bilateral Adolescent Planovalgus Feet – A Case Study	Mrs. Urmila Naukudkar	Mrs. Urmila Naukudkar	AIPMR Mumbai
4.10 – 4.20 pm	OPAI – 112	Alignment and Orthotic (AFO)	Mr. Pankaj Kumar Sinha	Mr. Pankaj Kumar Sinha	Sai P & O & Research Centre, Navi Mumbai
4.20 – 4.30 pm	OPAI – 113	Biomechanical Impact of a Modified Boston Brace on De-Rotation, Posture and Alignment in Double Curve AIS	Priyadarsini Monalisha Dash	Priyadarsini Monalisha Dash Sagarika Sahoo	SVNIRTAR Cuttack
4.30 – 4.40 pm	OPAI – 18	Effectiveness of Modified Ground Reaction Ankle Foot Orthosis in Subjects with Spastic Diplegic Cerebral Palsy on Static and Dynamic Balance	Mrs. Santosh Jha	Mrs. Santosh Jha	RDGMC, Ujjain
4.40 – 4.50 pm	OPAI – 140	Biomechanical and Functional Effects of Static Wrist–Hand Orthosis on Grip Strength and Dexterity in Post-Stroke Hemiplegic Patients	Mrs. Arpita Padhi	Mrs. Arpita Padhi Dr. Rajesh Kumar Mohanty	NIEPMD Chennai
4.50 - 5.00 pm	POSTER – 14	Prosthetist and Orthotist: A Transition from Craftsmanship to Clinical Care	Mr. Swarup Samal	Mr. Swarup Samal	AIIMS Mangalagiri
		The Biomechanical Interrelationship Between Knee	Rohan Gupta	Rohan Gupta	Revive Life

	POSTER – 26	Valgus and Flat Foot: Implications for Lower Limb Alignment and Injury Risk.	Priyanka Rawat	Priyanka Rawat	Healthcare New Delhi
	POSTER – 37	Computational Optimization of 3D-Printed Prosthetic Foot Design Parameters for Enhanced Biomechanical Performance.	Sonali Mishra	Dr. Rajesh Ku. Mohanty Sonali Mishra	SVNIRTAR Cuttack
<b>6.00 – 9.00</b>	<b>STUDENTS CULTURAL PROGRAMME FOLLOWED BY DINNER</b>				

**Day 2 – SATURDAY 07/02/2026**

**Breakfast & Tea - 8.00am – 9.00am**

**HALL 1**

**Hall Coordinator 1 – Mr. Rajesh Kumar Mohanty**

**Hall Coordinator 2 - Mrs. Arpita Padhi**

**Anchor - Adyasha Mishra (SVNIRTAR)  
(SVNIRTAR)**

**Tech. Asst. - Debasish Behera**

**Volunteer 1 - MD Harish Nasim (SVNIRTAR)  
(NIEPMD)**

**Volunteer 2 - Sanvi Singh**

**Chairpersons 1 – Mr. A. G. Indalkar  
Behura**

**Chairpersons 2 – Mr. Saroj Kanta**

**SESSION - 10**

**Subject - PROSTHETICS**

<b>TIME</b>	<b>ABSTRACT ID</b>	<b>TOPIC</b>	<b>PRESENTER</b>	<b>AUTHOR</b>	<b>INST./ORG./CO.</b>
9.00 – 9.10 am	OPAI – 60	Design and Development of a Voice-Controlled Prosthetic Elbow Joint	Deep Dasgupta	Deep Dasgupta Poly Ghosh	NILD Kolkata
9.10 – 9.20 am	OPAI – 15	Finite element analysis and experimental validation of dynamic response foot	Sushree Sangita Nayak	Sangita Nayak Dr.Aswini Mohapatra	SVNIRTAR Cuttack
9.20 – 9.30 am	OPAI – 70	Optimizing Carbon Fiber/LY556 Epoxy Composites for High Performance Prosthetic Feet	Mrs. Swapna Sahoo	Mrs. Swapna Sahoo	SVNIRTAR Cuttack

9.30 – 9.40 am	OPAI – 05	Analysis of Baropedographic Parameters in Individuals with Bilateral Transtibial Amputation	Dibya Ranjan Swain	Dibya Ranjan Swain Dr. Rajesh Mohanty	NIPMR Kerala
9.40 – 9.50 am	OPAI – 01	An Experience with the Design and Development of a Prosthesis for a Greater Flamingo - A Case Study	Mr. Makarand Saraf Mr. Santosh Rout	Makarand Saraf Mr. Santosh Rout	AIIPMR Mumbai Otto Bock
9.50 – 10 am	POSTER – 39	Rehabilitation Principles and Prosthetic Management in the Pediatric Population: Integrating Growth, Function, and Adaptation	Sushree Sangita Rout Chinmayee Sahu	Dr. Rajesh Kumar Mohanty	SVNIRTAR Cuttack
	POSTER - 41	Integration of Multimodal Technology for Comprehensive Motion Analysis in Modern Gait Lab	Ms. Laxmi Priya Prusty	Dr. Rajesh Kumar Mohanty	SVNIRTAR Cuttack
	POSTER - 44	Advancements in Sensing and Control for Enhanced Rehabilitation and Integrated Orthotic Systems: A Narrative Review	Yadav Pitambar J. Ms. Rakhi Bharti	Dr. Rajesh Kumar Mohanty	SVNIRTAR Cuttack

**HALL 1 - 07/02/2026**

**Hall Coordinator 1 – Mr. Rajesh Kumar Mohanty**

**Hall Coordinator 2 - Mrs. Arpita**

**Padhi**

**Anchor - Priyadarshini Sahoo (SVNIRTAR)**

**Tech. Asst. - Suryanshu Parija**

**(SVNIRTAR)**

**Volunteer 1 - Sudhir Kumar Yadav (SVNIRTAR)**

**Volunteer 2 - Hemavarshini J**

**(NIEPMD)**

**Chairpersons 1 – Mrs. Urmila Naukudkar**

**Chairpersons 2 – Mr. Roman Jagota**

**SESSION - 13**

**Subject - PROSTHETICS**

<b>TIME</b>	<b>ABSTRACT ID</b>	<b>TOPIC</b>	<b>PRESENTER</b>	<b>AUTHOR</b>	<b>INST./ORG./CO.</b>
10.00 – 10.10 am		From Stump to Step: PNF Strategies for Lower Limb Rehabilitation			

10.10 – 10.20 am	SPONSERER	Edema Management Kinesio Taping Techniques to Reduce Limb Edema Before Prosthetic Fitting	CYBER MOTORICA		
10.20 – 10.30 am		Pain Relief – Silence the Stump: Pain Relief with Kinesio Taping at Pre – Prosthetic Management			
10.30 – 10.40 am	OPAI – 46	Hybrid Digital–Clinical Framework for Upper-Limb Prosthetic Management: Advancing Continuous Support and Remote Calibration	Pratik Kumar Jain Aakriti Mishra	Pratik Kumar Jain Trupti Ranjan Swain	Aether Biomedical New Delhi
10.40 – 10.50 am	-----	Bridging the Gap: Introduction to Hybrid & Myoelectric Elbow Prostheses	Nishant Agarwal	Nishant Agarwal	IIT, Kanpur
10.50 - 11.00 am	POSTER – 48	Digital Revolution of Mobility: CAD - CAM in Personalized Prosthetic and Orthotic Care	Mr. Mehul Mani Miss Prachi Agrawal	P. Monalisha Dash Gouranga C. Patra	SVNIRTAR Cuttack
	POSTER – 50	Plantar Pressure Distribution in Partial Foot Amputees using Custom Orthoses: A Comparative Study with Healthy Controls	Ms. Priyambada Priyadarsini Ms. Priyanka Raj	Mrs. Swapna Sahoo	SVNIRTAR Cuttack
	POSTER – 51	The Future of Foot and Ankle Evidence: A Gap Analysis of Podiatric Contributions to Forensics Science	Ms. Jagatjyoti Priyadarshani Ms. Sujata Sahu	Swapna Sahoo Shakti Swarupa Bhanja	SVNIRTAR Cuttack

**HALL 1 - 07/02/2026**

**Hall Coordinator 1 – Mr. Rajesh Kumar Mohanty**

**Hall Coordinator 2 - Mrs. Arpita Padhi**

**Anchor - Haripriya V.R.M (NIEPMD)**

**Tech. Asst. - Ashutosh Pradhan**

**(SVNIRTAR)**

**Volunteer 1 - Alibha Martha (SVNIRTAR)**

**Volunteer 2 - Kavinaya. M**

**(NIEPMD)**

**Chairpersons 1 – Dr. Anand Bhatt**

**Chairpersons 2 – Mr. Chandan Jha**

**SESSION - 16**

**Subject - PROSTHETICS**

<b>TIME</b>	<b>ABSTRACT ID</b>	<b>TOPIC</b>	<b>PRESENTER</b>	<b>AUTHOR</b>	<b>INST./ORG./CO.</b>
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11.00 – 11.10 am	OPAI – 09	Development of a Lightweight, Affordable, and Waterproof Bathing/Showering Prosthesis for Below-Knee Amputees in the Indian Context	Sumit Bhowmik Pooja Behera	Sumit Bhowmik Pooja Behera	Proactive Tech. Orthopedics Pune
11.10 – 11.20 am	OPAI – 10	The Development of the sSpace Dynamic Prosthetic Foot: From Research to Commercialization	Pairat Tangpornprasert	Chanyaphan Virulsri	Bangkok Thailand
11.20 – 11.30 am	OPAI – 184	Osseointegration: Bridging Bone and Technology for the Future of Prosthetics and Reconstruction	Dr. Neeraj Saxena Dr. Viplav Tyagi	Dr. Neeraj Saxena Dr. Viplav Tyagi	P&O Intern. New Delhi
11.30 – 11.40 am	OPAI – 29	Prosthetic Management and Functional Outcome in a Pediatric Traumatic Below-Knee Amputee: A Case Study	Gouri Sharma	Gouri Sharma Dr. M C Dash	PDUNIPPD New Delhi
11.40 – 11.50 am	OPAI – 45	From Innovation to Evolution: Myosense and the Future Conceptual Model for Adaptive Myoelectric Prosthetic Control	Trupti Ranjan Swain Mohd. Ashkar	Trupti Ranjan Swain Pratik Kumar Jain	Aether Biomedical New Delhi
11.50 - 12.00 am	POSTER – 54	Impact of Static Progressive Orthosis in Volkmann Ischemic Contracture: A Case Approach	Ms. Shakti Swarupa Bhanja	Mrs. Swapna Sahoo	SVNIRTAR Cuttack
	POSTER – 55	Mechanical and Functional Dynamics of Microprocessor Controlled Prosthetic Feet: Integrating Real-Time Adaptive Control for Enhanced Mobility.	Ms. Monalisa Sahu Prity Manjari Behera	Dr. Rajesh Kumar Mohanty	SVNIRTAR Cuttack
	POSTER – 56	Advancing adaptive sports: The Role of Prosthetics in a more Inclusive Future	Mr. Biswabijaye C. Priyadarshi Priti Kumari Thakur	Mrs. Priyadarshini Monalisha Dash	SVNIRTAR Cuttack
<b>12.00 – 1.00 pm</b>	<b>KEY SPEAKER PRESENTATIONS – HALL 1 – 07/02/2026</b>				
<b>Hall Coordinator 1 – Mr. Rajesh Kumar Mohanty</b>			<b>Hall Coordinator 2 - Mrs. Arpita Padhi</b>		
<b>Anchor - Shakti Swarupa Bhanja (SVNIRTAR)</b> <b>(SVNIRTAR)</b>			<b>Tech. Asst. - Amarjeet Nayak</b>		
<b>Volunteer 1 - Niladitya Saha (NIEPMD)</b> <b>(SVNIRTAR)</b>			<b>Volunteer 2 - Anwasha Mondal</b>		
<b>Chairpersons 1- Mr. Amit Mukerjee</b>			<b>Chairpersons 2 - Mr. Jagdish Pandey</b>		

<b>TIME</b>	<b>TOPIC</b>	<b>PRESENTER</b>	<b>ORGANISATION</b>
12.00 – 12.15 pm	Partnerships with Government Institutes for AI-Enabled 3D-Printed Prosthetics & Orthotics: Capacity Building in India	Purnima Singh	Assistant Vice President INSTALIMB
12.15 – 12.30 pm	Geniumx4: The Next Generation of Microprocessor Knee Technology - A Case Study	Roman Jagota	Director - Clinical Services Otto Bock HealthCare India, Delhi
12.30 – 12.45 pm	NEXT – GEN ALIMCO: Strengthening Access to Modern and Affordable Assistive Devices through Integrated Manufacturing and Service Delivery	Rajesh Kumar Das Anjani Kumar Sinha	ALIMCO, Kanpur
12.45 – 1.00 pm	Next – Generation Prosthetics and Assistive Technology: The AMTZ Model	Amit Sharma - HOD Kanhu Lenka-Sci B	ALC, AMTZ, Visakhapatnam
1.00 – 1.15 pm	Eradicating Quackery in Prosthetics and Orthotics: Role of Professionals and OPAI	Mr. Ajit Pratap Singh – Secretary OPAI Mr. Karanbir Singh – Chairman Anti quackery Committee	
<b>1.15 – 2.00 pm</b>	<b>LUNCH</b>		
<b>2.00 – 5.00 pm</b>	<b>GENERAL BODY MEETING</b>		
<b>6.00 – 9.00 pm</b>	<b>CULTURAL PROGRAMME FOLLOWED BY DINNER</b>		

**Day 3 – SUNDAY 08/02/2026**

**Breakfast & Tea - 8.00am – 9.00am**

**HALL 1**

**Hall Coordinator 1 – Mr. Rajesh Kumar Mohanty**

**Hall Coordinator 2 - Ms. Arpita Padhi**

**Anchor - Swayamprabha Tripathy (SVNIRTAR)  
(SVNIRTAR)**

**Tech. Asst. - Mainak Kumar Parida**

<b>Volunteer 1 - Reetu Rani Verma (NIEPMD) (SVNIRTAR)</b>			<b>Volunteer 2 - Subhashree Malik</b>		
<b>Chairpersons 1 - Dr. Mr. G. Pandian Mohanty</b>			<b>Chairpersons 2 – Mr. Rajesh Kumar</b>		
<b>SESSION - 19</b>			<b>Subject – PROSTHETICS</b>		
<b>TIME</b>	<b>ABSTRACT ID</b>	<b>TOPIC</b>	<b>PRESENTER</b>	<b>AUTHOR</b>	<b>INST./ORG./CO.</b>
9.00 – 9.10 am	OPAI – 165	Knee On: Antibacterial, Anti-odor Stump Sock for Improving the Quality of Life of People with Amputation	Dr. Ganesh M. Bapat Rajendra Kachelkar	Dr. Siddhi Bapat Ms. Afreen Shaik Dr. Ganesh M. Bapat Rajendra Kachelkar	Srugenie Technologies Pvt. Ltd., Goa
9.10 – 9.20 am	OPAI – 27	A Case Study on Effectiveness of Trans Femoral Extension Prosthesis for Proximal Femoral Focal Deficiency & Arm Prosthesis in case of Proximal Trans Humeral Amelia or other Congenital Deficit of Lower & Upper Limbs Children	Mr. Shambhu Kumar Yadav	Mr. Shambhu Kumar Yadav	Bornlife Prosthetic & Orthotic New Delhi
9.20 – 9.30 am	OPAI – 163	Custom Designed Cost-Effective Modular Below-Knee Prosthesis using Thermoregulated Mechanism	Dhaneswar Dey	Dhaneswar Dey Dr. M.C. Dash Devadri Dey	Ortho Rehab Int. Prayagraj, U P
9.30 – 9.40 am	OPAI – 177	Evaluation of Microprocessor Prosthetic Knees (MPKs) on Functional Mobility and Real-Life Outcomes in Lower Limb Amputees -Clinical Review	Dr. Rajendra Kumar	Dr. Rajendra Kumar	Endolite India Limited New Delhi
9.40 – 9.50 am	OPAI – 136	Role of 3D printing in Silicone Prosthetic fitments/Anaplastology	Neelam Namdeo	Neelam Namdeo	The Silicone Rehab, Vadodara
9.50 – 10 am	POSTER – 65	Making School Accessible to Children with Disabilities	Ms. Nahid khaton	Mrs. Nandita Tripathy	SVNIRTAR Cuttack
	POSTER - 66	Effect of Silicone Partial Foot Prosthesis on Gait and Postural Parameters: A Case Study	Ms. Alibha Martha Anwasha Mondal	Mrs. Priyadarsini Monalisha Dash	SVNIRTAR Cuttack
	POSTER - 67	A Conceptual Framework for a Smartphone-Based Augmented Reality (AR) Application for Transtibial Prosthetic Alignment	Ruchik Deshmukh Adarsh Sebastian	Ruchik Deshmukh Adarsh Sebastian	MGMIUDPO Navi Mumbai
<b>HALL 1 - 08/02/2026</b>					

<b>Hall Coordinator 1 – Mr. Rajesh Kumar Mohanty</b>			<b>Hall Coordinator 2 - Mrs. Arpita Padhi</b>		
<b>Anchor - Satarupa Nanda (SVNIRTAR)</b>			<b>Tech. Asst. - Amlan Parida (SVNIRTAR)</b>		
<b>Volunteer 1 - Pragyan Shatabdee Sanketa (SVNIRTAR)</b>			<b>Volunteer 2 - Payal Behera (SVNIRTAR)</b>		
<b>Chairpersons 1 - Dr. Aratatran Patra</b>			<b>Chairpersons 2 - Anupriya</b>		
<b>SESSION - 22</b>			<b>Subject - ASSISTIVE TECHNOLOGY &amp; OTHERS</b>		
<b>TIME</b>	<b>ABSTRACT ID</b>	<b>TOPIC</b>	<b>PRESENTER</b>	<b>AUTHOR</b>	<b>INST./ORG./CO.</b>
10.00 – 10.10am	OPAI – 47	Integrated Prosthetic and Orthotic Intervention for Congenital Bilateral Lower Limb Involvement	Lanu Indira Aimol Sushree Sangita Nayak	Lanu Indira Aimol Sushree Sangita Nayak	SVNIRTAR Cuttack
10.10 – 10.20am	OPAI – 76	Materials and Equipment By Para- Athletes and Paralympians in Different Sports	Mr. Satyavan Mishra	Satyavan Mishra Dr. Shudhir Mishra	Dept. of PMR ATARIA Sitapur
10.20 – 10.30am	OPAI – 152	Mobility Aids and Orthotic Management for Persons with Traumatic Brain Injury	Mr. Shedrak Vinod Kumar R	Mr. Shedrak Vinod Kumar R	CMC, Vellore
10.30 – 10.40am	OPAI – 200	Assistive Technology for All: Contrasting India’s Social Approach with Global Technological Paradigms	Rajesh Das	Rajesh Das	ALIMCO
10.40 – 10.50am	OPAI – 108	Assessment of Quality of Life (QoL) in Amputee Management Under MJPJAY Scheme at a Tertiary Care Hospital	Deepshikha Raut	Deepshikha Raut Dr. Prasad Waingankar	MGMIUDPO Navi Mumbai
10.50 – 11am	POSTER – 78	A Systematic Review of Energy Storing Dynamic Response Foot for Prosthetic Rehabilitation	Swayamprava Tripathy	Mrs. Swapna Sahoo	SVNIRTAR Cuttack
	POSTER – 79	WHEELCHAIR -A BOON OR A BURDEN? - "Importance of Customization!"	Kavinaya. M Swathi. S	Vignesh Kumar. M	NIEPMD, Chennai
	POSTER – 81	Low Cost Vaccum Assisted Socket Suspension	Jamuna. P Nishintha. R	Vignesh Kumar. M	NIEPMD, Chennai
<b>HALL 1 - 08/02/2026</b>					
<b>Hall Coordinator 1 – Mr. Rajesh Kumar Mohanty</b>			<b>Hall Coordinator 2 - Ms. Arpita Padhi</b>		

<b>Anchor - Ashihe Katini (SVNIRTAR)</b>			<b>Tech. Asst. - Abhishek Yadav</b>		
<b>(SVNIRTAR)</b>					
<b>Volunteer 1 - Sonalisha Sahoo (SVNIRTAR)</b>			<b>Volunteer 2 - Adyasa Rout (NILD)</b>		
<b>Chairpersons 1 – Mr. G. B. Singh</b>			<b>Chairpersons 2 – Mr. Rajendra Kumar</b>		
<b>SESSION - 25</b>			<b>Subject - ASSISTIVE TECHNOLOGY &amp; OTHERS</b>		
<b>TIME</b>	<b>ABSTRACT ID</b>	<b>TOPIC</b>	<b>PRESENTER</b>	<b>AUTHOR</b>	<b>INST./ORG./CO.</b>
11.00 – 11.10am	OPAI – 199	Digital Fabrication in Modern Prosthetics and Orthotics: Bridging Innovation and Clinical Practice in the Era of Industry 4.0	Mr. Rajesh Das Vaishnavi Singh	Mr. Rajesh Das Vaishnavi Singh	ALIMCO
11.10 – 11.20am	OPAI – 34	Orthotics and Prosthetics Services: A Social Movement	Jagannath Mallik	Jagannath Mallik	Blind people's Ass. Ahmedabad
11.20 – 11.30am	OPAI – 49	Need of Early Identification and Intervention in Children with Locomotor Disabilities	Tarun Kumar Verma	Tarun Kumar Verma	PDUNIPPD New Delhi
11.30 – 11.40am	OPAI – 158	User-Centered Ergonomics in Orthotic Design: A Perspective on Assistive Technology	Mr. Praveen Kumar Shukla	Praveen Kumar Shukla Dr. Suman Badhal	Safdarjung Hospital New Delhi
11.40 – 11.50am	OPAI – 153	Inclusive Healthcare under Ayushman Bharat and National Health Mission: Opportunities for Prosthetics and Orthotics Professionals	Dr. Aratran Patra	Dr. Aratran Patra	NILD Kolkata
11.50 - 12.00am	POSTER – 77	Bionic Hand	Priyadarsini Sahoo Ankita Mohanty	Mrs Rojaleen Pradhan	SVNIRTAR Cuttack
	POSTER – 80	From Manual to Digital: The Future of Measurement in Prosthetics and Orthotics Practice	Vishal Sharma Neelakshi Jadhav	Vishal Sharma Deepshikha Raut	MGMIUDPO Navi Mumbai
	Poster - 82	Long Term Functional Outcomes of Microprocessor vs Mechanical Knee	Nishitha R. Jamuna P.	Vignesh Kumar M	NIEPMD, Chennai
<b>12.00 – 1.00pm</b>	<b>KEY SPEAKER PRESENTATIONS – HALL 1 – 08/02/2026</b>				
<b>Hall Coordinator 1 – Mr. Rajesh Kumar Mohanty</b>			<b>Hall Coordinator 2 - Mrs. Arpita</b>		

<b>Padhi</b>			
<b>Anchor - Pratikshya Panda (SVNIRTAR)</b> <b>(SVNIRTAR)</b>		<b>Tech. Asst. - Koushik Kumar Patra</b>	
<b>Volunteer 1 - Sushree Sangita Rout (SVNIRTAR)</b> <b>(SVNIRTAR)</b>		<b>Volunteer 2 - Sujata Sahu</b>	
<b>Chairpersons 1- Mr. Vijay Kumar Naik</b>		<b>Chairpersons 2 - Mr. Pritpal Singh Sidhu</b>	
<b>TIME</b>	<b>TOPIC</b>	<b>PRESENTER</b>	<b>ORGANISATION</b>
12.00 – 12.15pm	Enhancing Daily Function and Quality of Life through a Microprocessor-Controlled Electronic Elbow Integrated with Bionic Hand Technology for Transhumeral and Shoulder Disarticulation amputees	Pratik Jain	AETHER BIOMEDICAL NEW DELHI
12.15 – 12.30pm	Myoelectric Prosthetic System for Transradial and Transhumeral Patients Using Threshold Recognition Technology	Mr. Praveen Kumar Dubey	VULCAN AUGMENTICS
12.30 – 12.45pm	The National Digital Inclusion Initiative: Restoring Dignity to the Unreached through Digital Technology – Services and Training in National Institute (PDUNIPPD)	Dr. Sudha Dr. G. Pandian	Customer Service Officer INSTALIMB Asst. Prof. I/C Manager – PDUNIPPD, New Delhi
12.45 – 1.00pm	Redefining Upper Limb Prosthetics: Design, Evolution and User Experience of the Zeus Bionic Hand Series	Mr. Trupti Ranjan Swain	AETHER BIOMEDICAL New Delhi
1.00 – 1.15pm	Fixing the Mobility Divide: A Policy Roadmap for Accessible Prosthetic Care in India	Mr. Nagender Parashar	Director - Parashar Technology Faridabad, Haryana
<b>1.00 – 2.00 pm</b>	<b>LUNCH</b>		
<b>2.00 – 3.00 pm</b>	<b>Attendance Sheet Signing and Certificate Distribution</b>		
<b>3.00 – 3.30 pm</b>	<b>TEA BREAK</b>		
<b>3.30 – 5.00 pm</b>	<b>VALEDICTORY FUNCTION</b>		

<b>Day 1 – FRIDAY 06/02/2026</b>					
<b>Breakfast &amp; Tea - 8.00am – 9.30am</b>					
<b>HALL 2</b>					
<b>Hall Coordinator 1 – Mrs. Smita Nayak</b>			<b>Hall Coordinator 2 – Mr. Ritikesh Pattanaik</b>		
<b>Anchor 1 - Rajeshwari Samal (PDUNIPPD) (ISIC)</b>			<b>Anchor 2 - Anshika Kandpal</b>		
<b>Volunteer 1 - Sana Raeen (PDUNIPPD)</b>			<b>Volunteer 2 - Yusra khan (Safdarjung)</b>		
<b>Chairpersons 1 – Mr. K. Shanmugum Rout</b>			<b>Chairpersons 2 – Mr. Sanket Kumar</b>		
<b>SESSION - 2</b>			<b>Subject - PROSTHETICS</b>		
<b>TIME</b>	<b>ABSTRACT ID</b>	<b>TOPIC</b>	<b>PRESENTER</b>	<b>AUTHOR</b>	<b>INST./ORG./CO.</b>
9.45 – 9.55	OPAI – 30	Modern Technologies in Bionic Hand Development and Function: Integrating Neural Interfaces, AI Control and Advanced Materials	Ms. Juhi Roy Ms. Rageswari Pradhan	Dr. Rajesh Kumar Mohanty	SVNIRTAR Cuttack
9.55 – 10.05	OPAI – 89	Osseointegration in Lower Limb Amputation – A Systematic Review of Functional Outcomes	Chitra Ganjiwale	Chitra Ganjiwale Ms. Garima Sharma	Manipal College of Health Professionals
10.05 – 10.15	OPAI – 36	Design and analysis of 3D printed prosthetic foot with optimised stiffness Characteristics	Sonali Mishra	Dr. Rajesh Kumar Mohanty Sonali Mishra	SVNIRTAR Cuttack
10.15 – 10.25	OPAI – 96	Design and Development of a Low-cost Effective Myoelectric Terminal Device for an Upper Limb Prosthesis	Rithick Roshan B	Malini B Kavin A	CMC, Vellore
10.25 – 10.35	OPAI – 58	Powered Upper Limb Prosthesis using Wireless Transmitter–Receiver Interface: A Novel Approach for Enhanced Accessibility and Control	Ms. Payal Behera Mr. Sudhir Kumar Yadav	Dr. Rajesh Kumar Mohanty Raj Kishore Sahoo	SVNIRTAR Cuttack
10.35 – 10.45	POSTER - 83	From Risk to Resilience: Early Intervention Protocol for Diabetic Foot	Swathi S Kavinaya M	Vignesh Kumar M	NIEPMD, Chennai
	POSTER - 85	Upper Limb Orthoses for Burn Patients: A Scoping Review	Ms. Sinchana Bhat	Ms. Sinchana Bhat Ms. Garima Sharma	Manipal College of Health Professionals
<b>11.00 – 12.00</b>	<b>INAUGURATION – HALL 1</b>				

<b>12.00 – 1.00</b>	<b>KEY SPEAKER SESSION – HALL 1</b>				
<b>1.00 – 2.00</b>	<b>LUNCH</b>				
<b>HALL 2 – 06/02/2026</b>					
<b>Hall Coordinator 1 – Mrs. Smita Nayak Pattanaik</b>			<b>Hall Coordinator 2 – Mr. Ritikesh</b>		
<b>Anchor 1 - Ekta pal (PDUNIPPD)</b>			<b>Anchor 2 - Ayush Tripathi (Safdarjung)</b>		
<b>Volunteer 1 - Shradha Kanojia (PDUNIPPD) (Safdarjung)</b>			<b>Volunteer 2 - Abhishek pal</b>		
<b>Chairperson 1 - Mr. John Colevell</b>			<b>Chairperson 2 – Mr. Satyawan Mishra</b>		
<b>SESSION - 5</b>			<b>Subject - ORTHOTICS</b>		
<b>TIME</b>	<b>ABSTRACT ID</b>	<b>TOPIC</b>	<b>PRESENTER</b>	<b>AUTHOR</b>	<b>INST./ORG./CO.</b>
2.00 – 2.10	OPAI – 164	Comparative Effectiveness of Proximal Interphalangeal Joint Block Orthosis Versus Metacarpophalangeal Joint Block Orthosis in the Conservative Management of Trigger Finger: A Prospective Observational Study	Mr. Jalil SK	Mr. Jalil SK Dr. (Lt col) Mohit Kataruka	AIIMS KALYANI
2.10 – 2.20	OPAI – 179	Orthotic Interventions in Pregnancy: The Role of Arch Support and Customized Slippers Before and After Delivery	Mr. Pradeep Kumar	Mr. Pradeep Kumar	FOREFRONT HEALTHCARE GAZIABAD
2.20 – 2.30	OPAI – 187	Step Into Precision: Revolutionizing 3D Insole Design with CNC Milling	Dr. Kuldeep Kar Dr. Vaibhav Singh Rajput	Dr. Kuldeep Kar Dr. Vaibhav Singh Rajput	P&O International New Delhi
2.30 – 2.40	OPAI – 107	Computational Design and Clinical Assessment of a Contralaterally Controlled 3D Printed Myoelectric Elbow Wrist Hand Orthosis for Functional Restoration after Stroke	Mr. Ezhumalai K	Mr. Ezhumalai K Dr. Saroja A O Dr. A Amarnath	NIEPMD Chennai
2.40 – 2.50	OPAI – 196	Early Use of Knee Braces: A preventive Approach to Pain management and Surgical Avoidance	Ms. Priya Chaudhary	Ms. Priya Chaudhary Mrs. Priyanka Singh	ALIMCO
2.50 - 3.00	POSTER – 86	Challenges and Recovery Trajectories in Transtibial Amputees and Caregivers: A Pilot Study	Ms. Lorraine Monteiro	Ms. Lorraine Monteiro Ms. Ritu Pragyan	Manipal College of Health Professionals
	POSTER – 87	Cultural and Condition Specific Prosthesis Integration Scale for Amputee in India	Mr. Sathwik Kulal	Mr. Sathwik Kulal Ms. Garima Sharma	Manipal College of Health

					Professionals
	POSTER – 88	Inducing Thermoelectric Cooler in Transtibial Prosthesis - A Design Concept	Piraimathi B Ranjith G	Mr. Vignesh Kumar M	NIEPMD Chennai
3 – 3.45pm	<b>GROUP DISCUSSION – HALL 1</b>				
3.45 – 4pm	<b>TEA BREAK</b>				
<b>HALL 2 – 06/02/2026</b>					
<b>Hall Coordinator 1 – Mrs. Smita Nayak</b>			<b>Hall Coordinator 2 – Mr. Ritikesh Pattanaik</b>		
<b>Anchor 1 - Rishita kumari (PDUNIPPD)</b>			<b>Anchor 2 - Rashi (PDUNIPPD)</b>		
<b>Volunteer 1 - Attreye Mukherjee (PDUNIPPD)</b>			<b>Volunteer 2 - Muskan Sharma</b>		
<b>(PDUNIPPD)</b>					
<b>Chairperson 1 - Mr. Gautam Jain</b>			<b>Chairperson 2 – Mr. Kokichala Sambashiv</b>		
<b>SESSION - 8</b>		<b>Subject – Assistive Technology &amp; Others</b>			
<b>TIME</b>	<b>ABSTRACT ID</b>	<b>TOPIC</b>	<b>PRESENTER</b>	<b>AUTHOR</b>	<b>INST./ORG./CO.</b>
4.00 – 4.10	OPAI – 22	Just-In-Time (JIT) as a Service Delivery Model in P & O Industry	Smita Nayak	Smita Nayak Rajesh K. Das	PDUNIPPD New Delhi
4.10 – 4.20	OPAI – 101	Importance of Professional Ethics in Prosthetics and Orthotics Field	Mr. Mohit Gupta	Mr. Mohit Gupta	PDUNIPPD New Delhi
4.20 – 4.30	OPAI – 188	Functional Electrical Stimulation for Foot Drop: Clinical Applications and Future Directions	Sahil	Sahil Dr. M. C. Dash	ALC Northern Rly. Central Hos.
4.30 – 4.40	OPAI – 210	The Role of Prosthetics and Orthotics in Veterinary Science	Mrs. Sarita Sahoo	Mrs. Sarita Sahoo	SVNIRTAR, Cuttack
4.40 – 4.50	OPAI – 12	Kelopress - Adjustable ear keloid compression clip	Dr. Hiren Babariya	Dr. Hiren Babariya	Inspire Health Care, Rajkot
4.50 - 5.00	POSTER – 90	Impact of Prolonged Cane Use on the Functional and Psychological Well-being of Older Adults	Athan Dsouza	Athan Dsouza Ms. Garima Sharma	Manipal College of Health Professionals

	POSTER – 91	From Diagnosis to Independence: Optimizing Orthotic and Prosthetic Care in Streeter’s Dysplasia	Tejasree Vimalprasad Sai Supriya Srinivasan	Vignesh Kumar Mrs. Arpita Padhi	NIEPMD Chennai
	POSTER – 50	Plantar Pressure Distribution in Partial Foot Amputees using Custom Orthoses: A Comparative Study with Healthy Controls	Ms. Priyambada Priyadarsini Ms. Priyanka Raj	Mrs. Swapna Sahoo	SVNIRTAR Cuttack
<b>6.00 – 9.00</b>	<b>STUDENTS CULTURAL PROGRAMME FOLLOWED BY DINNER</b>				

<b>Day 2 – SATURDAY 07/02/2026</b>					
<b>Breakfast &amp; Tea - 8.00am – 9.00am</b>					
<b>HALL 2</b>					
<b>Hall Coordinator 1 – Mrs. Smita Nayak</b>			<b>Hall Coordinator 2 – Mr. Ritikesh Pattanaik</b>		
<b>Anchor 1 - Saloni Kumari (Safdarjung)</b> <b>(ISIC)</b>			<b>Anchor 2 - Diya</b>		
<b>Volunteer 1 - Sonia Bisht (Safdarjung)</b> <b>(Safdarjung)</b>			<b>Volunteer 2 - Devesh Parida</b>		
<b>Chairpersons 1 – Mr. Kashinath Sahoo</b>			<b>Chairpersons 2 – Mr. Rahul Parmar</b>		
<b>SESSION - 11</b>			<b>Subject - ORTHOTICS</b>		
<b>TIME</b>	<b>ABSTRACT ID</b>	<b>TOPIC</b>	<b>PRESENTER</b>	<b>AUTHOR</b>	<b>INST./ORG./CO.</b>
9.00 – 9.10	OPAI – 20	Effect of Alignment changes of Articulated Ankle Foot Orthosis on Balance in Subjects with Stroke	Miss. Dionicia Lamare	Dr. Rajesh Kumar Mohanty	SVNIRTAR Cuttack
9.10 – 9.20	OPAI – 103	A Holistic Approach to Accelerate Wound Healing and Reduce Recurrence in Diabetic Foot Ulcers	Ms. Haripriya V.R.M	Mrs. Arpita Padhi	NIEPMD Chennai
9.20 – 9.30	OPAI – 21	Efficacy of custom molded lumbo-sacral orthosis on pain and postural balance with subjects with Spondylolisthesis	Amulya Ratna Nayak	Dr. Rajesh Kumar Mohanty	SVNIRTAR Cuttack

9.30 – 9.40	OPAI – 98	Impact of Different Footwear Design in Subjects with Pronated Foot on Static Stability	Liwanshi Urvashi Upman	Gouri Sharma Mrs. Smita Nayak Dr. M.C Dash	PDUNIPPD New Delhi
9.40 – 9.50	OPAI – 23	Effect of wrist positions of static hand orthosis on Grip strength and Hand dexterity in subject with Hemiplegic Stroke	Mr. Anupam Dusadh	Dr. Rajesh Kumar Mohanty	SVNIRTAR Cuttack
9.50 – 10.00	POSTER – 94	Unified ISO Framework for Prosthetic and Orthotic Standardization: From Terminology to Testing	SURBHI	Mrs. Arpita Padhi	NIEPMD Chennai
	POSTER – 51	The Future of Foot and Ankle Evidence: A Gap Analysis of Podiatric Contributions to Forensics Science	Ms. Jagatjyoti Priyadarshani Ms. Sujata Sahu	Swapna Sahoo Shakti Swarupa Bhanja	SVNIRTAR Cuttack
	POSTER - 99	Community Orientation Program and Disability Assessment: A Field Experience of BPO Students	Blessy Merrin Deboral Kathleen Valancia	Malini B	CMC, Vellore

**HALL 2 - 07/02/2026**

**Hall Coordinator 1 – Mrs. Smita Nayak**

**Hall Coordinator 2 – Mr. Ritikesh Pattanaik**

**Anchor 1 - Shreya Jha (PDUNIPPD)**

**Anchor 2 - Prince (PDUNIPPD)**

**Volunteer 1 - Rachna Roy (PDUNIPPD)**

**Volunteer 2 - Ragini Pradhan**

**(PDUNIPPD)**

**Chairpersons 1 - Mr. Jaiveer Singh**

**Chairpersons 2 – Mr. Tarun Rathod**

**SESSION - 14**

**Subject - PROSTHETICS**

<b>TIME</b>	<b>ABSTRACT ID</b>	<b>TOPIC</b>	<b>PRESENTER</b>	<b>AUTHOR</b>	<b>INST./ORG./CO.</b>
10.00 – 10.10	OPAI – 02	Smart Prosthetics: The Role of Embedded Sensors in Improving Functional Performance	Minakshi Behera	Minakshi Behera	AIIPMR Mumbai
10.10 – 10.20	OPAI – 117	Efficacy of a Modified Prosthesis in Bilateral Fibular Hemimelia: A Case Study	Nandita Tripathy	Nandita Tripathy	SVNIRTAR Cuttack

10.20 – 10.30	OPAI – 13	Early Post-Operative Prosthetic Fitment following Knee Disarticulation in an 11-year-old child with Tibial Hemimelia: A Case Study	Mrunali Kalkotwar Anoop S.	Mrunali Kalkotwar Lt. Col. G. Parameswar Reddy	Artificial Limb Centre, PUNE
10.30 – 10.40	OPAI – 181	Prosthetic Management of a Female Bilateral Through-Knee Amputee	Dr. Lukeshkumar R. Bhuyar	Dr. Lukeshkumar R. Bhuyar	AIIPMR MUMBAI
10.40 – 10.50	OPAI – 142	Prosthetic and Orthotic Assessment Proforma: A Tool for Independent Clinical Practice	Ritikesh Pattanaik	Ritikesh Pattanaik Sipra Lenka	KLE, Belagavi Karnataka
10.50 - 11.00	POSTER-102	Comparative Performance Metrics of, modified Jaipur and FU- PRO Prosthetic Feet	Mr. Amlan Parida Mr. Mainak Kumar Parida	Mrs. Swapna Sahoo	SVNIRTAR Cuttack
	POSTER-104	Functional and Prosthetic Rehabilitation following Rotationplasty: A Comprehensive Review of Outcomes and Protocols	Ms. Adyasha Mishra Mr. Sikun Sahoo	Mrs. Swapna Sahoo	SVNIRTAR Cuttack
	POSTER-106	Effect of Postural Training Support in Correction of Posture for Individual with Kyphosis	Ms. Monalisa Paikaray Ms.Priti Kumari Thakur	Mrs. Priyadarshini Monalisha Dash	SVNIRTAR Cuttack

### HALL 2 - 07/02/2026

**Hall Coordinator 1 – Mrs. Smita Nayak  
Pattanaik**

**Hall Coordinator 2 – Mr. Ritikesh**

**Anchor 1 - Arsh (PDUNIPPD)**

**Anchor 2 - Sunita rai (ISIC)**

**Volunteer 1 – Yogita (PDUNIPPD)  
(PDUNIPPD)**

**Volunteer 2 - Harsh pal**

**Chairpersons 1 - Mr. K. Srikant**

**Chairpersons 2 – Mr. Avijit Mitra**

#### SESSION - 17

#### Subject - ORTHOTICS

TIME	ABSTRACT ID	TOPIC	PRESENTER	AUTHOR	INST./ORG./CO.
11.00 – 11.10	OPAI – 84	Comparative Evaluation of 3D Printed Insoles and Shoe Modification on Plantar Pressure Patterns in Pes Planovalgus	Ms. Lipsa Biswal Ms. Sonalisha Sahoo	Mrs. Swapna Sahoo	SVNIRTAR Cuttack
11.10 – 11.20	OPAI – 93	Orthotic Management for Functional Recovery after Surgical Debulking of Arteriovenous Malformation in the Upper Limb	Shreeya Samantaray Abhishek Kumar	Mrs. Arpita Padhi	NIEPMD Chennai
11.20 – 11.30	OPAI – 33	Multimodal Approach in Diabetic Neuropathy: Efficacy of 3D-Printed CNC Insoles Integrated with PODIASTAT and Vascular Doppler Assessment for	Ms. Rojalin Priyadarshini Ms. Adyasha Mishra	Mrs. Swapna Sahoo	SVNIRTAR Cuttack

		Foot Pressure Management and Ulcer Prevention			
11.30 – 11.40	OPAI – 100	Effects of Knee Brace and Lateral Wedge Insole on Postural Sway and Plantar Pressure Distribution in Medial Compartment Knee Osteoarthritis: A Comparative Study	Trisha Jaiswal Pankaj Kumar	Mrs. Poly Ghosh Prachi Prava Pattnaik Sai Prabha Mishra	NILD, Kolkata
11.40 – 11.50	OPAI – 38	Optimized Bracing Technology in Scoliosis: Integrating Computational Modelling, Smart Materials and Patient-Specific Design	Ms. Ashihe Katini	Dr. Rajesh Kumar Mohanty	SVNIRTAR Cuttack
11.50 - 12.00	POSTER-109	Comparative Study between 3D Printed Insole, Supramalleolar Orthosis (SMO) and Shoe Modification on subjects with Planovalgoid foot	Suyanshu Parija Ashutosh Pradhan	Rashmita Das	SVNIRTAR Cuttack
	POSTER-110	A Multi-utility Terminal Device to Perform Various Activities	Shashank Srivastava	Shashank Srivastava Dr. G. Pandian	PDUNIPPD New Delhi
	POSTER-111	Mind, Body and Machine: The Human Side of Prosthetic Rehabilitation	Anushka Chaturvedi	Mrs. Smita Nayak	PDUNIPPD New Delhi
<b>12.00 – 1.00</b>	<b>KEY SPEAKER PRESENTATIONS – HALL 1</b>				
<b>1.00 – 2.00</b>	<b>LUNCH</b>				
<b>2.00 – 5.00</b>	<b>GENERAL BODY MEETING – HALL 1</b>				
<b>6.00 – 9.00</b>	<b>CULTURAL PROGRAMME FOLLOWED BY DINNER</b>				

<b>Day 3 – SUNDAY 08/02/2026</b>					
<b>Breakfast &amp; Tea - 8.00am – 9.00am</b>					
<b>HALL 2</b>					
<b>Hall Coordinator 1 – Mrs. Smita Nayak Pattanaik</b>			<b>Hall Coordinator 2 – Mr. Ritikesh</b>		
<b>Anchor 1 - Sushant (PDUNIPPD)</b>			<b>Anchor 2 - Komal (PDUNIPPD)</b>		
<b>Volunteer 1 - Navisha Kalra (ISIC) (PDUNIPPD)</b>			<b>Volunteer 2 - Mohit Salauniya</b>		
<b>Chairpersons 1 - Mr. Surendra Sonwal</b>			<b>Chairpersons 2 – Mr. K. Jayavelu</b>		
<b>SESSION - 20</b>			<b>Subject – ASSISTIVE TECHNOLOGY &amp; OTHERS</b>		
<b>TIME</b>	<b>ABSTRACT ID</b>	<b>TOPIC</b>	<b>PRESENTER</b>	<b>AUTHOR</b>	<b>INST./ORG./CO.</b>

9.00 – 9.10	OPAI – 35	Liftease: A Modified Lifting Device with Forward Lean Assist	Ms. Pragyan Shatabdee Sanketa	Ms. Lanu Indira Aimol Dr. Rajesh Kumar Mohanty	SVNIRTAR Cuttack
9.10 – 9.20	OPAI – 68	Technological advancements in the field of transportation for persons with disabilities, and integrated motorbike modification to enhance accessibility	Debasish Behera	Dr. Rajesh Kumar Mohanty Debasish Behera	SVNIRTAR Cuttack
9.20 – 9.30	OPAI – 69	3S Laser Alignment Fixation System	Satarupa Nanda	Mr. Srikant Moharana Mr. Gouranga C. Patra	SVNIRTAR Cuttack
9.30 – 9.40	OPAI – 123	Beyond the Wheelchair: An Innovative Custom Orthosis for Independent Floor Sitting	Ms. Priyanka Raj Priyambada Priyadarshini	Mrs. Sushree Sangita Nayak	SVNIRTAR Cuttack
9.40 – 9.50	OPAI – 125	Future Trends and Research Directions in Artificial Intelligence for Prosthetics and Orthotics	MD Harish Nasim	Sunil Kumar Mahali	SVNIRTAR Cuttack
9.50 – 10.00	POSTER-121	Integrating Neural Systems for Enhanced Prosthetic Function: A New Frontier	Malavika R Madhu Mitha S Niladitya Saha	Ezhumalai K	NIEPMD Chennai
	POSTER-127	The Future of Orthotics: Merging Prosthetics, Robotics and Exoskeleton Technologies	Devika E B Ahanara S	Dibya Ranjan Swain	NIPMR, Kerala
	POSTER-128	Redefining Diabetic Foot Protection through Biomechanical Footwear Design	Shradha Kanojia Ragini Pradhan	Mrs. Smita Nayak	PDUNIPPD New Delhi

### HALL 2 - 08/02/2026

<b>Hall Coordinator 1 – Mrs. Smita Nayak Pattanaik</b>	<b>Hall Coordinator 2 – Mr. Ritikesh</b>
<b>Anchor 1 - Nivedita Gupta (PDUNIPPD)</b>	<b>Anchor 2 - Anushka Chaturvedi (PDUNIPPD)</b>
<b>Volunteer 1 - Ragini Pradhan (PDUNIPPD) (PDUNIPPD)</b>	<b>Volunteer 2 - Shradha Kanojia</b>
<b>Chairpersons 1 - Mrs. Smita Nayak</b>	<b>Chairpersons 2 – Mr. Rajiv Agrawal</b>

SESSION - 23			Subject - ORTHOTICS		
TIME	ABSTRACT ID	TOPIC	PRESENTER	AUTHOR	INST./ORG./CO.
10.00 – 10.10	OPAI – 114	Gender Specific Orthotic Footwear for Indian women with Flat Feet and Heel Pain	Ekta Pal	Mrs. Smita Nayak	PDUNIPPD New Delhi
10.10 – 10.20	OPAI – 116	Symmetry Restored: Orthotic Approaches in Pediatric and Adult Cranial Deformities	Pragati Prajapati	Mrs. Arpita Padhi	NIEPMD Chennai
10.20 – 10.30	OPAI – 119	Custom Fit 3D - Printed Knee Brace in Patients with Knee Osteoarthritis: A Literature Review on Patient Compliance, Clinical Opportunities and Existing Challenges	Reetu Rani Verma	Mrs. Pramita swain	NIEPMD Chennai
10.30 – 10.40	OPAI – 124	Dextra - an Switch Controlled Wrist Hand Orthosis with ADL Attachments	Preeti	Preeti Dr. G Pandian Mr. Vivek Kumar	PDUNIPPD New Delhi
10.40 – 10.50	OPAI – 134	Effect of Supracondylar Knee Ankle Foot Orthosis in Limb Loading Symmetry and Propulsion Efficiency in Post Stroke Genu Recurvatum	Ms. Ankita Nishad	Dr. Rajesh Kumar Mohanty Ms. Ankita Nishad	SVNIRTAR Cuttack
10.50 - 11.00	POSTER-132	Integrated Silicone Cosmetic Prosthesis and their Effects on Plantar Pressure Distribution in Partial Foot Amputee Rehabilitation	Rudrakanta Dixit Rojalin Priyadarshini	Mrs. Swapna Sahoo	SVNIRTAR Cuttack
	POSTER-133	Custom Sports Wheelchair Adaptation: Engineering Performance and Protection in Competitive Wheelchair Sports	Ms. Bandana Khatua Ms. Lipsa Biswal	Mrs. Priyadarsini Monalisha Dash	SVNIRTAR Cuttack
	POSTER-135	Sociopsychological Status in Upper and Lower Limb Amputees Before and After Prosthetic Fitment	Muskan Sharma	Muskan Sharma Mr. Vivek Kumar	PDUNIPPD New Delhi
<b>HALL 2 - 08/02/2026</b>					
<b>Hall Coordinator 1 – Mrs. Smita Nayak Pattanaik</b>			<b>Hall Coordinator 2 – Mr. Ritikesh</b>		
<b>Anchor 1 - Ayesha Kalra (ISIC)</b>			<b>Anchor 2 - Navisha Kalra</b>		
<b>Volunteer 1 - Nandini Sharma (PDUNIPPD)</b>			<b>Volunteer 2 - Rachna Roy</b>		
<b>Chairpersons 1 – Mr. P. S. Dantala Sahoo</b>			<b>Chairpersons 2 – Mrs. Sarita</b>		

		<b>SESSION - 26</b>	<b>Subject - PROSTHETICS</b>		
<b>TIME</b>	<b>ABSTRACT ID</b>	<b>TOPIC</b>	<b>PRESENTER</b>	<b>AUTHOR</b>	<b>INST./ORG./CO.</b>
11.00 – 11.10	OPAI – 105	Development of a Mechanically Driven Body-Powered Trans Radial Prosthetic Hand Using Hybrid Rubber–Cam Tension Pull System	Pranav Nitin Vane Ashutosh Suware	Pranav Nitin Vane Ashutosh Suware	MGMIUDPO Navi Mumbai
11.10 – 11.20	OPAI – 115	Design and Development of an Adjustable Pylon for Pediatric Transtibial Amputees	Noorifiza Khan Anjali Yadav	Deepshikha Raut	MGMIUDPO Navi Mumbai
11.20 – 11.30	OPAI – 126	“Cast Perfect”- Casting Frame for Transfemoral & Hip Disarticulation Amputees	Pankit Chandel	Pankit Chandel Dr. G Pandian Mr. Vivek Kumar	PDUNIPPD New Delhi
11.30 – 11.40	OPAI – 129	Design of an Integrated Air–Gel Liner to manage Dynamic Volume Fluctuation in Transtibial Prostheses	Trijya Mishra	Trijya Mishra Mrs. Smita Nayak	PDUNIPPD New Delhi
11.40 – 11.50	OPAI – 130	Modified Active Digit Prosthesis	Sakshi Thakran	Sakshi Thakran Mr. Tarun K. Verma	PDUNIPPD New Delhi
11.50 - 12.00	POSTER-138	Orthotic Intervention across the Cerebral Palsy Spectrum: A Research Synthesis of Gait and Stability Outcomes	Ms. Sonalisha Sahoo Ms. Sai Nistha	Mrs. Priyadarsini Monalisha Dash	SVNIRTAR Cuttack
	POSTER-139	Significance of Immediate Post-Operative Prosthesis (IPOP) and its Amalgamation with High-Tech Prosthetic Components	Pankit Chandel Preeti	Pankit Chandel Preeti	PDUNIPPD New Delhi
	POSTER-141	A Neuroprosthetic Perspective, the Future of Upper Limb Prostheses	Mr. Rishi Chaudhary	Mr. Rishi Chaudhary Dr. G. Pandian	PDUNIPPD New Delhi
<b>12.00 – 1.00</b>	<b>KEY SPEAKER PRESENTATIONS – HALL 1</b>				
<b>1.00 – 2.00</b>	<b>LUNCH</b>				
<b>2.00 – 3.00</b>	<b>Attendance Sheet Signing and Certificate Distribution</b>				
<b>3.00 – 3.30</b>	<b>TEA BREAK</b>				
<b>3.30 – 5.00</b>	<b>VALEDICTORY FUNCTION – HALL 1</b>				

<b>Day 1 – FRIDAY 06/02/2026</b>					
<b>Breakfast &amp; Tea - 8.00am – 9.30am</b>					
<b>HALL 3</b>					
<b>Hall Coordinator 1 – Mrs. Uttara Deshmukh</b>			<b>Hall Coordinator 2 – Ms. Garima Sharma</b>		
<b>Anchor - Sanjana Palaskar (AIIPMR)</b>			<b>Tech. Asst. - Ashutosh Suware (MGM)</b>		
<b>Volunteer 1 - Avinash Waghmare (AIIPMR)</b>			<b>Volunteer 2 - Aditi Shinde (MGM)</b>		
<b>Chairpersons 1 – Mr. Momocha Kshetrimayum S.</b>			<b>Chairpersons 2 – Mr. Ramesh</b>		
<b>SESSION - 3</b>			<b>Subject – Assistive Technology &amp; Others</b>		
<b>TIME</b>	<b>ABSTRACT ID</b>	<b>TOPIC</b>	<b>PRESENTER</b>	<b>AUTHOR</b>	<b>INST./ORG./CO.</b>
9.45 – 9.55	OPAI –143	Enhancement of Biomechanical Gait Analysis of Lower Extremity Orthosis using AI Tools	Shreya Jha	Shreya Jha, Nikita Dr. G Pandian	PDUNIPPD New Delhi
9.55 – 10.05	OPAI – 178	Cloud to Clinic: ~Reimagining Smart Care in Prosthetic & Orthotic Rehabilitation	Ms. Nivedita Gupta	Ms. Nivedita Gupta Dr. G. Pandian	PDUNIPPD New Delhi
10.05 – 10.15	OPAI – 159	Instrument for Quantifying First Ray Mobility: Combining Linear Displacement and Angular Rotation	Yusra Khan	Mr. Sohan Pal Mr. Praveen Shukla	Safdarjung Hospt. New Delhi
10.15 – 10.25	OPAI – 161	Low-Cost Indigenous Bed Transfer Device for Paraplegic Patients	Ayush Tripathi	Mr. Sohan Pal Mr. Praveen Shukla	Safdarjung Hospt. New Delhi
10.25 – 10.35	OPAI – 62	Development of a Low-cost Smart Foot Pressure Sensor for Early Detection of Abnormal Load Distribution.	Anish Samaddar Deep Dasgupta	Poly Ghosh Hasan Arif Raihan	NILD Kolkata
10.35 – 10.45	POSTER-144	PEDIASTEP - Economical Low-Profile Prosthetic Foot for Pediatric Amputee	Parakh Chourasia	Parakh Chourasia Mr. Vivek Kumar	PDUNIPPD New Delhi
	POSTER-147	VISION TO MOTION: - Technology Development in Orthosis in Case of Paraplegia	Anjali Fartyal	Anjali Fartyal Dr. G Pandian	PDUNIPPD New Delhi
<b>11.00 – 12.00</b>	<b>INAUGURATION – HALL 1</b>				
<b>12.00 – 1.00</b>	<b>KEY SPEAKER SESSION – HALL 1</b>				

<b>1.00 – 2.00</b>		<b>LUNCH</b>			
<b>06/02/2026 - HALL 3</b>					
<b>Hall Coordinator 1 – Mrs. Uttara Deshmukh</b>			<b>Hall Coordinator 2 – Ms. Garima Sharma</b>		
<b>Anchor - Amruta Dhakate (AIIPMR)</b>			<b>Tech. Asst. - Sanjay Kumar (MGM)</b>		
<b>Volunteer 1 - Gaurav Gawande (AIIPMR)</b> <b>(MCHP)</b>			<b>Volunteer 2 - Sinchana Bhat</b>		
<b>Chairperson 1 - Mr. Rahul Dokania</b> <b>Verma</b>			<b>Chairperson 2 – Mr. Praveen</b>		
<b>SESSION - 6</b>		<b>Subject – ASSISTIVE TECHNOLOGY &amp; OTHERS</b>			
<b>TIME</b>	<b>ABSTRACT ID</b>	<b>TOPIC</b>	<b>PRESENTER</b>	<b>AUTHOR</b>	<b>INST./ORG./CO.</b>
2.00 – 2.10	OPAI – 28	A Technology-Enabled Post-disaster Prosthetic & Orthotic Care in India: Forging a Digital Lifeline	Ms. Loopa Mudra Das	Dr. Rajesh Kumar Mohanty	SVNIRTAR Cuttack
2.10 – 2.20	OPAI – 72	Updation of Orthotic and Prosthetic Checkout Proforma: An Important Clinical Need	Mohammed Shahir Upendra C. Parab	Ritikesh Pattanaik	KLE Belgaum
2.20 – 2.30	OPAI – 95	Smart Limbs, Smarter Lives: How AI is Transforming Prosthetics and Orthotic	Sudip Kumar Das Barzah Abdulla	Mrs. Arpita Padhi	NIEPMD Chennai
2.30 – 2.40	OPAI – 120	Comparative Environmental Impact of Traditional Fabrication vs 3D Printing in Prosthetics and Orthotics	Navisha Kalra Ayesha Kalra	Navisha Kalra Ayesha Kalra Shivangi Mehra	ISIC New Delhi
2.40 – 2.50	OPAI – 122	Design and Development of a Mobility Cart for a Dog with Hind Limb Paralysis following Traumatic Injury – A Case Study	Ms. Sana Abbasi	Ms. Sana Abbasi Dr. G. Pandian	PDUNIPPD New Delhi
2.50 - 3.00	POSTER-148	Amalgamation of Artificial Intelligence and Brain Computer Interface in Prosthesis	Shreya Jha	Shreya Jha Mrs. Smita Nayak	PDUNIPPD New Delhi
	POSTER-151	Paediatric Prosthetics: Growing for the Child	Disha Panda	Disha Panda	PDUNIPPD New Delhi
	POSTER-154	TENS (Transcutaneous Electrical Nerve Stimulation) Integrated Orthoses: A Dynamic Approach to Neuro-	Swati Mishra	Mr. Sohan Pal Mr. Praveen	Safdarjung Hospital

		Motor Restoration		Shukla	New Delhi
3 – 3.45pm	<b>GROUP DISCUSSION – HALL 1</b>				
3.45 – 4pm	<b>TEA BREAK</b>				
<b>HALL – 3 6/2/2026</b>					
<b>Hall Coordinator 1 – Mrs. Uttara Deshmukh</b>			<b>Hall Coordinator 2 – Ms. Garima Sharma</b>		
<b>Anchor - Lorraine Monterio (MCHP)</b>			<b>Tech. Asst. - Vishal Sharma (MGM)</b>		
<b>Volunteer 1 - Vivek Dongre (AIIPMR)</b>			<b>Volunteer 2 - Anjali Yadav (MGM)</b>		
<b>Chairperson 1 - Mr. Rajendra Kashelkar</b>			<b>Chairperson 2 – Mr. Sohan Pal</b>		
<b>SESSION - 9</b>			<b>Subject - ORTHOTICS</b>		
<b>TIME</b>	<b>ABSTRACT ID</b>	<b>TOPIC</b>	<b>PRESENTER</b>	<b>AUTHOR</b>	<b>INST./ORG./CO.</b>
4.00 – 4.10	OPAI – 40	Effectiveness of custom Insoles and physiotherapy on Plantar Pressure Distribution in Individuals with Bilateral Knee Osteoarthritis	Mr. Abhisek Yadav Ms. Loopa Mudra Das	Mrs. Swapna Sahoo	SVNIRTAR Cuttack
4.10 – 4.20	OPAI – 162	Development of an Exoskeleton Robotic Knee Brace for Dynamic Management of Knee Osteoarthritis (OA)	Soumika Adhikary	Hasan Arif Raihan	NILD Kolkata
4.20 – 4.30	OPAI – 61	Variable Positioning Cervical Orthosis (VPCO): A Unified Biomechanical Solution for Staged Cervical Spine Rehabilitation	Mr. Rishi Chaudhary	Rishi Chaudhary Mr. G. Pandian Mr. Vivek Kumar	PDUNIPPD New Delhi
4.30 – 4.40	OPAI – 53	Optimising Gait Post-stroke: A Comparative Case Study of Rigid, Flexible and Dynamic Ankle foot orthoses	Ms. Shakti Swarupa Bhanja	Mrs. Priyadarshini Monalisha Dash	SVNIRTAR Cuttack
4.40 – 4.50	OPAI – 57	Orthotic Interventions for Lever Arm Dysfunction in Cerebral Palsy: Biomechanical Insights and Rehabilitation Implications	Ms. Subhashree Malik Mr. Amarjit Nayak	Dr. Rajesh Kumar Mohanty Mr. Raj Kishore Sahoo	SVNIRTAR Cuttack
4.50 - 5.00	POSTER-166	A Multimodal Approach to Pain Management in Amputee Patients	Mr. Harsh Pal Mr. Gautam Kumar	Mr. Mohit Gupta	PDUNIPPD New Delhi
	POSTER-169	Prosthetic Rehabilitation Following Diabetic Lower Limb Amputation	Ms. Priya Rawat	Ms. Priya Rawat Mr. Praveen Shukla	Safdarjung Hospt. New Delhi
	POSTER-172	Comprehensive Approach To Congenital Hip Dislocation : Early Diagnosis & Effective Orthotic Management- A Rehabilitation Approach	Suman Swain	Hasan Md. Arif Raihan Saiprabha Mishra	NILD KOLKATA

<b>6.00 – 9.00</b>	<b>STUDENTS CULTURAL PROGRAMME FOLLOWED BY DINNER</b>
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<b>Day 2 – SATURDAY 07/02/2026</b>					
<b>Breakfast &amp; Tea - 8.00am – 9.00am</b>					
<b>HALL 3</b>					
<b>Hall Coordinator 1 – Mrs. Uttara Deshmukh</b>			<b>Hall Coordinator 2 – Ms. Garima Sharma</b>		
<b>Anchor - Chitra Ganjiwale (MCHP)</b>			<b>Tech. Asst. – Vishwesh Swami (AIIPMR)</b>		
<b>Volunteer 1 - Sahil Khan (AIIPMR) (MGM)</b>			<b>Volunteer 2 - Neelakshi Yadav</b>		
<b>Chairpersons 1 - Mr. Nityanand Samal</b>			<b>Chairpersons 2 - Mr. Makarand Saraf</b>		
<b>SESSION - 12</b>			<b>Subject - PROSTHETICS</b>		
<b>TIME</b>	<b>ABSTRACT ID</b>	<b>TOPIC</b>	<b>PRESENTER</b>	<b>AUTHOR</b>	<b>INST./ORG./CO.</b>
9.00 – 9.10	OPAI – 118	Revolutionizing Prosthetics: Technological Advancements for Improved Functional Outcomes and User Satisfaction	Hemavarshini. J Vikashini. K	Mrs. Arpita Padhi	NIEPMD Chennai
9.10 – 9.20	OPAI – 131	Empowering Ageing through Prosthetic Innovation	Ms. Rageswari Pradhan Ms. Aradhana Prusty	Mrs. Sushree Sangita Nayak	SVNIRTAR Cuttack
9.20 – 9.30	OPAI – 167	Prosthetic Management of Bilateral Knee Disarticulation in a Pediatric Amputee – Design & Fabrication Challenges with Clinical Outcomes	Arsh Yash	Mr. Vivek Kumar	PDUNIPPD New Delhi
9.30 – 9.40	OPAI – 171	Design and development of the pneumatic knee joint for above knee prosthesis	Adyasha Rout Shalu Yadav	Saiprabha Mishra Aratatan Patra Shubham K. Singh	NILD Kolkata
9.40 – 9.50	OPAI – 204	Design and Functional Evaluation of Transmetacarpal Endoskeletal customized prosthesis	Nidhi kumari	Mrs. Nandita Tripathy Dr. Rajesh Kumar Mohanty	SVNIRTAR Cuttack
9.50 – 10.00	POSTER-173	Restoring Lives – Redefining Mobility with Prosthesis & Orthosis	Shalu Yadav Adyasha Rout	Saiprabha Mishra Aratatan Patra	NILD Kolkata

	POSTER-174	Evidence-Based Practice in Prosthetics and Orthotics: From Research Synthesis to Clinical Excellence	Joona M Hanoof Mol Rayan P	Dibya Ranjan Swain	NIPMR Kerala
	POSTER-175	Translumbar Amputation: Surgical Principles, Prosthetic Design Challenges and Rehabilitation Strategies	Nikita Bajpai	Mr. Sohan Pal Mr. Praveen Shukla	Safdarjung Hos. New Delhi

**HALL – 3 07/02/2026**

<b>Hall Coordinator 1 – Mrs. Uttara Deshmukh</b>	<b>Hall Coordinator 2 – Ms. Garima Sharma</b>
<b>Anchor - Kritika Sehwaq (AIIPMR)</b>	<b>Tech. Asst. - Lorraine Monterio (MCHP)</b>
<b>Volunteer 1 - Vedika Taware (AIIPMR)</b> <b>(MGM)</b>	<b>Volunteer 2 - Pranav Vane</b>
<b>Chairpersons 1 - Mr. K. Dhanasekaran</b> <b>Kanna</b>	<b>Chairpersons 2 – Mr. Rajesh</b>

**SESSION - 15**

**Subject - MIXED**

<b>TIME</b>	<b>ABSTRACT ID</b>	<b>TOPIC</b>	<b>PRESENTER</b>	<b>AUTHOR</b>	<b>INST./ORG./CO.</b>
10.00 – 10.10	OPAI – 59	Redefining Prosthetic Interface Comfort: The Role of Perforated Silicone Liners in Sweating Management	Sunil Ranjan Senapaty	Sunil Ranjan Senapaty	Endolite India Limited
10.10 – 10.20	OPAI – 205	Haptic Feedback Integration in Myoelectric Prosthesis: A Step Toward Realistic Sensation	Bharat Meena Bhawna Chandra	Bharat Meena Bhawna Chandra Mrs. Smita Nayak	PDUNIPPD New Delhi
10.20 – 10.30	OPAI – 04	Integration of Artificial Intelligence for Gait Analysis and Prosthetic Alignment	Vivek H. Dongre Kritika Sewag	Minakshi Behera H. S. Dongre	AIIPMR Mumbai
10.30 – 10.40	OPAI – 146	From P&O Lab to Limb: Ethical Pathways in Translating Prosthetic Innovations	Indra Vijay Singh	Indra Vijay Singh	PDUNIPPD New Delhi

10.40 – 10.50	OPAI – 71	Comparative Study of Efficacy of Standardized Immobilizer Orthoses with Conventional Plaster Casts	Dr. Uttara Deshmukh	Dr. Uttara Deshmukh	MGMIUDPO Navi Mumbai
10.50 - 11.00	POSTER-176	Integrating Technology and Biomechanics: A Comprehensive Protocol for Orthotic Prescription in CP	Asna. R Anagha. S Surendran	Mr. Dibya Ranjan swain	NIPMR Kerala
	POSTER-180	Sustainability in Prosthetic Manufacturing- Eco Friendly Materials	Ashu Tomar	Dr. Gursimran Kaur	MGMIUDPO Navi Mumbai
	POSTER-182	Exoskeletons in Neuro-Rehabilitation	Sushil Kumar Dantala	Sushil Kumar Dantala	Dhyan Healthcare Pvt Ltd, Mumbai

**HALL – 3 07/02/2026**

**Hall Coordinator 1 – Mrs. Uttara Deshmukh**

**Hall Coordinator 2 – Ms. Garima Sharma**

**Anchor - Vishal Sharma (MGM)  
(AIIPMR)**

**Tech. Asst. – Adina Pramod**

**Volunteer 1 - Priti Bhujbal (AIIPMR)**

**Volunteer 2 - Bhavya Pal (MGM)**

**Chairpersons 1 - Mr. V.K. Nautiyal  
Singh**

**Chairpersons 2 - Mr. Santosh Kumar**

**SESSION - 18**

**Subject - ORTHOTICS**

<b>TIME</b>	<b>ABSTRACT ID</b>	<b>TOPIC</b>	<b>PRESENTER</b>	<b>AUTHOR</b>	<b>INST./ORG./CO.</b>
11.00 – 11.10	OPAI – 150	Effect of Spinal Brace on Gait Attributes and Symmetry Indices in Adolescents Idiopathic Scoliosis	Ms. Pratikshya Panda	Dr. Rajesh Kumar Mohanty Pratikshya Panda	SVNIRTAR Cuttack
11.10 – 11.20	OPAI – 160	Smart Prophylactic Ankle Support For Dancers	Saloni Kumari	Mr. Sohan Pal Mr. Praveen Shukla	Safdarjung Hosp. Delhi
11.20 – 11.30	OPAI – 52	Comprehensive Resolution of Crouch Gait in Tonic Spastic CP: Efficacy of the Anterior Guided AFO	Ms. Sai Nistha Mr. Monic Rimon Jena	Mrs. Priyadarsini Monalisha Dash	SVNIRTAR Cuttack
11.30 – 11.40	OPAI – 168	A Modified Posterior Leaf Spring Orthosis Incorporating Auditory Biofeedback for Enhanced Gait Rehabilitation in Post-Stroke Individual	Ankita Thakur Asrinee Biswas	Dr. Aratatan Patra Mr. Hasan Arif Raihan	NILD Kolkata
11.40 – 11.50	OPAI – 170	Development of an Electronic Spring-Loaded Knee Orthosis for Dynamic Extension Assist in Quadriceps	Sagnick Karmakar	Sagnick Karmakar	NILD Kolkata

		Weakness			
11.50 - 12.00	POSTER-183	A Case Study – Prosthetic Rehabilitation of a Bilateral Amputee with Right Chopart and Left Below-Knee Amputation	Shashank Srivastava	Shashank Srivastava Mr. Tarun Verma	PDUNIPPD New Delhi
	POSTER-185	User Outcomes and Functional Improvements with 3D-Printed Prostheses and Orthosis	Sanjana Palaskar Kritika Sewag Vivek Dongre	Urmila Naukudkar Gaurav Gawande Mohit Mujumdar	AIIPMR Mumbai
	POSTER-191	Digital Transformation of Orthotic Care: Design and Fabrication of Custom-made Upper Extremity Orthoses using 3D Printing Technology	Ms. Esther Phillips Mr. Om Prasad Biswal	Ms. Esther Phillips Mr. Om Prasad Biswal	CMC, Vellore
<b>12.00 – 1.00</b>	<b>KEY SPEAKER PRESENTATIONS – HALL 1</b>				
<b>1.00 – 2.00</b>	<b>LUNCH</b>				
<b>2.00 – 5.00</b>	<b>GENERAL BODY MEETING – HALL 1</b>				
<b>6.00 – 9.00</b>	<b>CULTURAL PROGRAMME FOLLOWED BY DINNER</b>				

<b>Day 3 – SUNDAY 08/02/2026</b>					
<b>Breakfast &amp; Tea - 8.00am – 9.00am</b>					
<b>HALL 3</b>					
<b>Hall Coordinator 1 – Mrs. Uttara Deshmukh</b>			<b>Hall Coordinator 2 – Ms. Garima Sharma</b>		
<b>Anchor - Athan D'souza (MCHP) (MGM)</b>			<b>Tech. Asst. - Aditi Shinde</b>		
<b>Volunteer 1 - Vaishnavi Kawale (AIIPMR) (AIIPMR)</b>			<b>Volunteer 2 - Deepshree</b>		
<b>Chairpersons 1 – Mr. Praveen Shukla</b>			<b>Chairpersons 2 – Sushree Sangita Nayak</b>		
<b>SESSION - 21</b>			<b>Subject – ORTHOTICS</b>		
<b>TIME</b>	<b>ABSTRACT ID</b>	<b>TOPIC</b>	<b>PRESENTER</b>	<b>AUTHOR</b>	<b>INST./ORG./CO.</b>
9.00 – 9.10	OPAI – 202	Effect of Prolonged smartphone use on spinal posture and need for preventive spinal orthosis in young adults	Ekta Pal	Mr. Vivek Kumar	PDUNIPPD New Delhi
9.10 – 9.20	OPAI – 190	Rebuilding Function in Daily Living with 3D Printing Technology: Enhancing Hand Dexterity and Independence in Cervical Spinal Cord Injury Patients with 3D-Printed Tenodesis Assistive Orthosis	Ms. Esther Phillips Mr. Om Prasad Biswal	Ms. Esther Phillips Mr. Om Prasad Biswal	CMC, Vellore

9.20 – 9.30	OPAI – 193	Development of a Compression-Sock Inspired Orthosis for Functional Support in Flatfoot	S. Vinit Salim Saifi	S. Vinit Salim Saifi Dr. G. Pandian	PDUNIPPD New Delhi
9.30 – 9.40	OPAI – 195	Lumbar Orthosis for Axial Decompression (LOAD)	Amit Kumar Rishita Kumari	Amit Kumar Rishita Kumari Mr. Vivek Kumar	PDUNIPPD New Delhi
9.40 – 9.50	OPAI – 198	Shiatsu-Integrated Soft Cervical Collar: Bridging Passive Support and Active Myofascial Therapy in Neck Pain Rehabilitation	Diya	Diya Shivangi Mehra	ISIC New Delhi
9.50 – 10.00	POSTER-192	Evaluation of Corrective Force Requirements in Modified PTB Orthosis for Infantile Blount's Disease: Correlation with Body Mass Index and Age	Ms. Sheetal M Mr. Om Prasad Biswal	Ms. Esther Phillips Mr. Om Prasad Biswal	CMC, Vellore
	POSTER-201	Unleash Your Potential: Step Forward the World of Prosthetic	Gaurav S. Rajawat Vedika Taware	Mrs. Urmila Naukudkar	AIPMR, Mumbai
	POSTER-207	Experimental Research on using Piezoelectric Cells in Foot Drop Ankle-Foot Orthosis (AFO) as Functional Electrical Stimulation (FES)	Mr. Sachin Suresh Kawankar	Mr. Sachin Suresh Kawankar Urmila Naukudkar	AIPMR, Mumbai

### HALL 3 - 08/02/2026

**Hall Coordinator 1 – Mrs. Uttara Deshmukh**

**Hall Coordinator 2 – Ms. Garima Sharma**

**Anchor - Bhoomika Rathod (AIPMR)**

**Tech. Asst. - Sathwik Kulal**

**(MCHP)**

**Volunteer 1 - Prem Jogdand (MGM)**

**Volunteer 2 - Mohit Mujumdar**

**(AIPMR)**

**Chairpersons 1 - Mr. Rajesh Nanda**

**Chairpersons 2 – Mrs. Aditi Dharwadkar**

**SESSION - 24**

**Subject - ORTHOTICS**

<b>TIME</b>	<b>ABSTRACT ID</b>	<b>TOPIC</b>	<b>PRESENTER</b>	<b>AUTHOR</b>	<b>INST./ORG./CO.</b>
10.00 – 10.10	OPAI – 186	Analysis of strapping technique of knee brace for osteoarthritis	Subhashree Priyadarshini	Mrs. Smita Nayak	PDUNIPPD New Delhi

10.10 – 10.20	OPAI – 203	An Affordable and Modified Dynamic Cock-up Orthosis: Design Optimization without Outrigger for Cost-Effective Wrist Drop Management	Salim Saifi S. Vinit	Salim Saifi Dr. G. Pandian	PDUNIPPD New Delhi
10.20 – 10.30	OPAI – 206	A Comparative Study between Resin Sheet hermal-Moulded Inserts and Trilaminated or Plastic-Moulded Foot Orthotic Inserts	Mr. Sachin Suresh Kawankar	Mr. Sachin Suresh Kawankar Urmila Naukudkar	AIPMR MUMBAI
10.30 – 10.40	OPAI – 208	Smart Kinesthetic Reminder Band for Carpal Tunnel Syndrome Prevention: Narrative Review Introduction	Sunita Rai	Sunita Rai Shivangi Mehra	ISIC, New Delhi
10.40 – 10.50	OPAI – 63	Contra -laterally Controlled Myo-electric Elbow Orthosis for the Post Stroke Individuals	Jovian B Jacob	John Wesley. D	Mobility India Bangalore
10.50 - 11.00	POSTER-211	Back to the peaks - Development of a Thermal-Regulated Prosthesis for High-Altitude Amputees	Bhoomika Rathod Deepshree, Adina Vaishnavi Kawale	Amruta Dhakate Priti Bhujbal Urmila Naukudkar	AIPMR MUMBAI
	POSTER-212	Factors Influencing Customer Intentions in Accessing Assistive Technology in Kashmir	Siyadat Bhat	Siyadat Bhat Ms. Vennila Mrs. Ritu Ghosh	Mobility India Bangalore
	POSTER-213	Prevalence and Awareness about Incontinence and Incontinence Products among Prosthetics and Orthotics Users in Less Resourced Settings	Shibani Nongmeikapam	Shibani Nongmeikapam Mrs. Ritu Ghosh Ms. Vennila	Mobility India Bangalore

**HALL 3 - 08/02/2026**

**Hall Coordinator 1 – Mrs. Uttara Deshmukh**

**Hall Coordinator 2 – Ms. Garima Sharma**

**Anchor - Jessica Fernandes (MGM)**

**Tech. Asst. - Ruchik Deshmukh (MGM)**

**Volunteer 1 - Noorifiza Khan (MGM)  
(AIPMR)**

**Volunteer 2 - Gaurav Singh Rajawat**

**Chairpersons 1 - Mrs. Uttara Deshmukh**

**Chairpersons 2 – Mr. Ramu Subramaniam**

**SESSION - 27**

**Subject - MIXED**

TIME	ABSTRACT ID	TOPIC	PRESENTER	AUTHOR	INST./ORG./CO.
11.00 – 11.10	OPAI – 194	Social Stigma and Cultural Perception Towards Assistive Devices: Bridging the Gap Between Acceptance and Accessibility	Anushka Chaturvedi Muskan Sharma	Anushka Chaturvedi Muskan Sharma Dr. G. Pandian	PDUNIPPD New Delhi
11.10 – 11.20	OPAI – 197	Synchronizing the Spine, Pelvis, and Knees: A Narrative Review on Vibration-Based Wearable Feedback Systems for Postural Rehabilitation	Anshika Kandpal	Anshika Kandpal Sakshi Saharawat	ISIC, New Delhi

11.20 – 11.30	OPAI – 25	Study of Balance and Gait Efficiency in Dynamic Response Prosthetic Foot	Mr. Prantik Nath Mohit K. Sarangi	Dr. Rajesh Mohanty Sasmita Behera	SVNIRTAR Cuttack
11.30 – 11.40	OPAI – 64	Comparison of the Immediate Effectiveness of Counterforce Forearm Brace and Taping Technique for Pain and Grip Strength in Housewives with Lateral Epicondylitis in India	Ms. Manisha Mehra	Ms. Manisha Mehra Ms. Ritu Ghosh Mr. Riyaz Hussain	Mobility India Bangalore
11.40 – 11.50	OPAI – 74	Thermal comfort management in transtibial prosthesis	Sanjay Kumar Aditi Shinde	Deepshikha Raut	MGMIUDPO Navi Mumbai
11.50 - 12.00	POSTER-216	Usability Testing of a Prosthetic-limb Provision and Repair Registry: A Pilot Study	Mr. Sanjoy Singh Oinam	Sanjoy S. Oinam Mrs. Ritu Ghosh Ms. Vennila	Mobility India Bangalore
	POSTER-217	Design and Development of a Low-Cost Prosthetic Foot Design for a Football Players with Symes Amputation – A Single case study	Amisha Jaiswal Nabanita Bhabuk	Dhruti Sundar Das	NILD Kolkata
	POSTER-218	Pelvis Square Apparatus Integrated with Goniometer for Quantitative Pelvic Alignment Assessment	Dr. Mayur Chudasama	Dr. Mayur Chudasama	Shree Krishna Hos. Anand, Gujrat
<b>12.00 – 1.00</b>	<b>KEY SPEAKER PRESENTATIONS – HALL 1</b>				
<b>1.00 – 2.00</b>	<b>LUNCH</b>				
<b>2.00 – 3.00</b>	<b>Attendance Sheet Signing and Certificate Distribution</b>				
<b>3.00 – 3.30</b>	<b>TEA BREAK</b>				
<b>3.30 – 5.00</b>	<b>VALEDICTORY FUNCTION – HALL 1</b>				