





15th SCIENTIFICA

NATIONAL PHYSIOTHERAPY CONFERENCE

THEME

EMBRACING AI TECHNOLOGY: TRANSFORMING THE FUTURE OF PHYSIOTHERAPY AND REHABILITATION

SCIENTIFIC PROGRAM SCHEDULE (OFFLINE)

15 th 17 th NOVEMBER 2024

VENUE: GOA MEDICAL COLLEGE

15th NOVEMBER

ONLINE	PAPER	PRESENTATIONS
--------	-------	---------------

ZOOM	(BREAKOUT ROOM 1)		ZOOM (BREAKOUT ROOM 2)
9:00 - 10:30	Musculoskeletal Physiotherapy Papers (PG students)	9:00 - 10:30	Cardiovascular & Respiratory Physiotherapy Papers (PG students)
10:35 - 11: 05	Sports Physiotherapy Papers (PG students)	10:05 - 10:35	Community Physiotherapy Papers (PG students)
11:10 - 12:10	Neuro Physiotherapy Papers (PG students)	10:40 - 11:00	Innovation & AI Papers (PG students)
12:15 - 12:45	UG Students	11:00 - 12:00	Professional Papers

ZOOM LINK WILL BE SHARED ONE DAY PRIOR

DAY 1: 16th NOVEMBER

8:00 - 9:00 REGISTRATION & BREAKFAST

	AUDITORIUM			LECTURE HALL	5		LECTURE HALL 4	LECTURE HALL 5 (BEGINNERS CLASS)			
Time	Topic	Faculty	Time	Topic	Faculty	Time	Topic	Faculty	Time	Topic	Faculty
1 9.()() - 9.1()	Overview on Embracing AI & Technology in Physiotherapy	Dr. Apurv Shimpi	9:15-9:40	Masterclass: Step by Step: Navigating	Dr. Pallavi Singh,	9:15 - 9:25	Patient-Centred Care with AI	Dr. Ajeet Saharan	9:15 - 9:35	Developmental Supportive Care of	Dr. Rujuta Garge
9:15 - 9:30	Future of Pediatric Rehab with AI	Dr. Asha Chitnis		Podiatric Assessment in Rehab	Deepali Kant		Veterinary Physiotherapy:	Dr.		Neonates in NICU	
9:35 - 9:50	Technological breakthroughs in managing musculoskeletal pain	Dr Snobhalaxmi		Masterclass: Creating a Path to Dr A		9:30 - 9:45	Bridging the Gap Between Human & Animal Healthcare	Unnati Pandit	9.40 -	Adaptive Technology in	Dr. Pradeep
9:55 - 10:10	Augmenting Artistry: How Al Shapes Innovation	Dr. Arun Maiya	9:45 - 10:10	Independence: Maximizing Function in Pediatric Rehab	Chitnis	9:50 - 10.05	Mobile-based Apps in Assessment & Rehab	Dr Venu Mohan	10.00	Paralympics	Borkar
	From Bench to Field: Return to Sport Assessment in the Digital Age		10.15 10.20	Matrix Rhythm Therapy:	Naik	11():1() - 1():25	Virtual Reality: A New Frontier in	Dr. Chanan	10:05 -	Geriatric Functional	Dr. Anu Arora
10:35 - 10:55	AlDemics - Adapt or Adept?	Key Note: Dr. Waqar Naqvi		Technological Pioneering of Cellular- Level Rehabilitation			Pediatric Physiotherapy	Goyal	10:25	Testing	
11:00 - 11.25	Scientifica Oration Talk: Al transforming the future of Physiotherapy and Rehabilitation -Dr. Michael Rowe; UK			Physical Activity Assessment using wearable devices	Dr. Arun Maiya	10.25-10.40	Navigating your Career Path in Physiotherapy	Dr. Sayeeda Uneza Fatima	10.30-	Role of physiotherapist in Vestibular Rehab	Dr Laxmi Kamat
11:30-11:45	Role of Government in Disability Rehab: UDID for people with Disabilities	Mr. Guruprasad Pawaskar				10.45-11.00	Redefining Assessment with Digital Tools	Dr. Gaurang Baxi			

12·0E 1·1E	
12:05 - 1:15	INAUGURATION AT AUDITORIUM

15 - 1:45 LUNCH

DAY 1: 16th NOVEMBER

Afternoon Session

	AUDITORIUI		LECTURE HALL 6				LECTURE HAI	LL4	LECTURE HALL 5 (BEGINNERS CLASS)			
Time	Topic	Faculty	Time	Topic	Faculty	Time	Topic	Faculty	Time	Topic	Faculty	
	Panel Discussion: Neuro-Tech- Nexus: Shaping the Future of Neuro Physiotherapy	John Solomon, Chanan	1.45 -2.20	Bytes to Better Mobility: Integrating Technology	Shobhalaxmi, Venu	2.00 -	Masterclass: Mastering Remote Pulmonary Rehab: Effective Tele-Assessment	Dr Mrinmayee		Exercise Prescription for Diabetes & Hypertension		
	Panel Discussion: Leveraging	Arun Maiya, Shaswat		2.0: Elevating Performance Through			for Lung Patients			Treadmill Perturbation: Key to Fall Prevention	Dr. Mayank	
	Technology for Better Learning Outcomes	Verma, Gaurang Baxi	2.25		Shwetha Rao Warke, Pallavi	2:30 - 2:45	Blood Flow Restriction	Key Note: Dr. Anil		and Recovery	Thakkar	
3:05 - 4:30	STUDENTS		-3.00				Therapy (BFRT): Lessons Learned		2:30 - 2:40	VISSCO talk	Mr. Asif Shaikh	

4:45 onwards

GALA CRUISE DINNER

	PAPER PRES	ENTATIONS		PEP TALKS						
	ADV ALIDITODILINA			FOOD & TRADE AREA						
LIDA	ARY AUDITORIUM		CULTY BLOCK	TIME	SPEAKER	TOPIC				
				10-10.10 am	Riya Surti	Learning to learn				
9:00 - 11:00	Musculoskeletal Physiotherapy Papers (PG students)	8:30 - 10:30	Neuro-physiotherapy Papers (PG students)	10.10-10.20 am	Tejas Borkar	Being creative in healing				
				10.20-10.30 am	Prof. Nishand P. D.	Small steps big impact				
		10:30 - 11:30	Sports Physiotherapy (DC etails)	10.30-10.40 am	Nidhi Joshi	Failure is feedback				
1:15 - 1:45	LUNCH		(PG students)	1:15 pm - 1:45 pm		LUNCH				
	Cardiovaccular 2 Docniratory	1:15 - 1:45 LUNCH		2.45- 2.55 pm	Dr. Dinesh Chavhan (PT)	Turning passion into profit				
1:45 - 3:15	Cardiovascular & Respiratory Physiotherapy Papers			2.55- 3.05 pm	Dr. Jorida Fernandes (PT)	Gratitude amplifies opportunity				
	(PG students)	1:45 - 3:00 UG students		3.05-3.15	Dr. Apurv Shimpi	Turning challenges into opportunities				

DAY 2: 17th NOVEMBER

	AUDITORIUI			LECTURE HA	LL 6		LECTURE HA	LL4	LECTURE HALL 5 (BEGINNERS CLASS)			
Time	Topic	Faculty	Time	Topic	Faculty	Time	Topic	Topic Faculty		Topic	Faculty	
1 8'3() - 8'45	AI Ethics in Health Profession: Navigating the Grey Areas	Key Note: Dr. Rohini Ganjoo (USA)	9:30 -	Scientific Debate: Technology in Sports Debab: Need of the	'in Sports Anand Gangwal, Pallavi Singh Sai		Masterclass: Virtual Reality and Robotics in	Dr. John Solomon	9:00 - 9:20	Pelvic Physiotherapy - To Kegel or Not?	Dr. Amit Patel	
8:50 - 9:05	Current Trends in Physiotherapy	Dr. Ketan Bhatikar		Rehab: Need of the hour or Passing Trend	Kishore		Stroke Rehab Masterclass: IOT based			Outcome assessment options for pulmonary	Dr. Prajakta Sahasrahudha	
	Tech-based assessment in Musculoskeletal		10:10 - 10:35	Masterclass: Running Analysis Simplified	Dr. Shwetha Rao Warke		sensors in patient monitoring	Dr. Shaswat Verma		function	Sanasrabuane	
9:10 - 9:20	Physiotherapy: In Tune with Tomorrow	Dr. Twinkle Dabholkar	10.40 - Robotics Rehab Post 10.00 Future of				9:50 - 10:10	Basics of Pelvic Floor Assessment	Dr. Suroshree & Dr. Farheen Patel			
9:25 - 9:40	Rehab AI	Dr. Ashok Shyam	10:55	stroke	Dr. Radha Bhattad	10:20	Physiotherapy - Emerging Trends &	Dr. Gunasekharan		Critical Care		
19.47 - 9.77	Deep Learning Tools & AI in Physiotherapy	Dr Yashwant Ingle	Masterclass: Return to			Expectations Introduction to Blood		10:15-	Rehabilitation & Post- Intensive Care Syndrome	Dr. Prem Kumar		
9:55 - 10:05	AI-based Deep Learning Model for Posture Assessment:	Ms. Shruti Thakur & Dr Yashwant Ingle	- 11:00 - 11:25	Sports Criteria & Dr. Sai Kishore Testing for Injured Athletes		10.25	Flow Restriction Therapy	Dr. Sona Kolke	10:40-	Overview of Physiotherapy in	Dr. Reena	
10.03	Prediction & Classification	Di lasiiwant ingt					Beginner's Class:	11:00		Plastic Surgery	Fernandes	
10:10 - 10:25	Al meets Health Science Research: A New Era for Health Literacy	Dr. Prashant M	11:30 - 12:05	Panel Discussion: Navigating the Al Frontier in Clinical	Dr. Ashok Shyam, Dr. Neeraj Bijlani, Dr. Prashant M	11:05	Clinical Palpation: A Key to Effective Patient Evaluation	Dr. Surendra Wani	11.05- 11.25	National Programs for Healthcare in Elderly	Dr. Milind Kahile	
10:30 - 10:45	From Cables to Clouds: Transforming Physiotherapy with IoT Magic	Dr. Shaswat Verma		Research: Pros, Cons, and Ethical Dilemmas	Dr Michael Rowe,	11:10 - 11:25	2D gait analysis introduction and Case studies	Deepali Kant	11:30 - 11:50	Goal-setting using ICF in Neuro Rehab	Dr. Radha & Dr. Twinkle	
10:50 - 11:00	Tech in Sports : The game - Changers	Dr. Shwetha Rao Warke				11:30 -	From Isolation to Independence: Transforming Care with		11.55 - 12:15	Basic Post ACLR Rehab	Dr Shannon Fernandes	
11:05 - 11:20	AI-Powered Wearables: A new Frontier in Physiotherapy & Rehabilitation	Key Note: Dr. Polat Goktas, Ireland					Tele-Pulmonary Rehab					

Rehabilitation

DAY 2: 17th NOVEMBER

	AUDITORIU	M		PAPER	PRESENTAT	IONS	PEP TALKS				
Time	Topic	Faculty	LIBRARY		FAC	ULTY BLOCK	FOOD & TRADE AREA				
	Generative AI Tools in Physiotherapy training	Dr. Sajeevan Tharayil	AUDIT	AUDITORIUM			TIME	SPEAKER	TOPIC		
	Program	Dr. Sajeevan marayn			9:00 - 10: 30	Community Physiotherapy Papers	10:00 -10:10	Dr. Achak Chyana	Tips & tricks: Technology & Al for		
1 1 1 · ¼() - 1 1 · b b	VR in Upper Limb Rehabilitation After Stroke	Dr John Solomon	9:00 - 11: 30	Professionals			10.00 -10.10	Dr. Ashok Shyam	day-today		
	Tech-Driven Rehab: Unleashing the Power of Digital Technology and				10:30 - 11: 30	Innovation / AI (PG students)	10:10 - 10:20	Dr. Neeraj Bijlani	Social media & doctors		
12:00 - 12:15		Key Note: Dr. Vijay Bathina	12:20- 01:15 VALEDICTORY FUNCTION				10:20 - 10:30	Dr. Pooja Akhtar	Campus to community		
	Robotics 20- 01:15 VALEDICTORY FUNCTION							LDr Sunita Chugh	Confidence is a muscle: How to build it everyday?		
							10:40 - 10:50	Mrs. Manisha Sanghavi	Grateful Leadership		
							12:20 - 01:15	VALEDICTORY FUNCTION			

1:15 - 1:45

POST CONFERENCE WORKSHOPS

	AUDITORI	DITORIUM LECTURE HALL 6		LIBRARY AUDITORIUM			PHYSIOTHERAPY OPD			HALL 4			HALL 5				
2:00 - 5.00	Generative Al in Academics, Research & Practice of Physiotherapy			for Day-today	Dr. Ashok Shyam & Dr. Neeraj Bijlani	2:00 - 5:00	How to Practice Albased Physiotherapy in your clinical setup	Dr. Vijay		Taping in Sports	Dr. Anand Gangwal (PT)	2.00 - 5.00	Enhancing Research With Artificial Intelligence	Dr. Waqar Naqvi	2.00 - 5.00	Making AI Models for Rehabilitation: Coding & Deep Learning Tools	Yashwant Ingle