

	Name: Dr. Sonu Goel
	Designation: Professor of Health Management
	Department: Community Medicine & School of Public Health
	Institution: Post Graduate Institute of Medical Education and Research, Chandigarh-160012
	Adjunct Professor in the School of Medicine, Faculty of Education & Health Sciences, University of Limerick, Ireland
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1. Present Position

a.	Designation	Professor
b.	Organization	Post Graduate Institute of Medical Education and Research, Chandigarh-160012
c.	Pay Scale	Grade Pay-14, 37400-67000 (10000)
d.	Date of Appointment to the Present Post	1st July 2019
e.	Total Experience (In years and months)	7 years (Continued)

2. Education Qualification

Degree/Diploma	Subject	University//Board	Duration of the Course	
			From	To
PhD	Health System Research-Human Resource Management	CAPHRI - School for Public Health and Primary Care, University of Maastricht, Netherlands	2011	2020
PG Diploma	Human Resource Management	Symbiosis International University, Pune	2007	2009
MD	Community Medicine	Indira Gandhi Medical College, Shimla, Himachal Pradesh University	2000	2003
MBBS	Medical subjects	Indira Gandhi Medical College, Shimla, Himachal Pradesh University	1993	1999

3. Professional Experience

S.No	Experience	Institute/University	Nature of duties	Duration	Years
1.	Adjunct Professor	School of Medicine, Faculty of Education & Health Sciences, University of Limerick, Ireland	Research/Teaching/ Administration	01 st February 2026 till 01 st February 2030	04, Years
2.	Adjunct Associate Clinical Professor	School of Medicine, Faculty of Education & Health Sciences, University of Limerick, Ireland	Research/Teaching/ Administration	21 st August 2021 till 20 th August 2025	04, Years
3.	Honorary Professor	Faculty of Human & Health Sciences at Swansea University, United Kingdom	Research/Teaching/ Administration	1 st June 2021 till 30 th November 2023	2 ½ years
4.	Professor	Department of Community Medicine and School of Public Health, Post Graduate Institute of Medical Education and Research, Chandigarh	Research/Teaching/ Administration	1 st July 2019 to till date	5 ½ years (Continued)
5.	Additional Professor	Post Graduate Institute of Medical Education and Research, Chandigarh	Research/Teaching/ Administration	1 st July 2015 till 30 th June 2019	4 Years
6.	Associate Professor	Post Graduate Institute of Medical Education and Research, Chandigarh	Research/Teaching/ Administration	1 st July 2012 till 30 th June 2015	3 Years
7.	Assistant Professor	Post Graduate Institute of Medical Education and Research, Chandigarh	Research/Teaching/ Administration	1 st September 2008 till 30 th June 2012	3 years months days
8.	Assistant Professor	Dr. Rajendra Prasad Govt. Medical College, Tanda, Kangra, Himachal Pradesh	Research/Teaching/ Administration	29 th December 2006 to 30 th August 2008	1 year and 8 months

4. Administrative Experience

S. No.	Post	Organization/University/ Governing Body	Duration	Experience (Years & Months)	Key Responsibilities and Achievements
1.	Program Director, International Public Health Management Development Program	Indian Technical and Economic Cooperation, Ministry of External Affairs (MEA), Government of India (GOI)	March 2017- Till Date	7 years 10 months (Continued)	Trained over 1,600 health professionals from 97 countries, enhancing global healthcare capacity. Key roles involved program design, stakeholder engagement, and developing leadership skills for mid- and senior-level professionals, policymakers, and implementers.
2.	Director, Resource Centre for Tobacco Control	The International Union Against Tuberculosis and Lung Diseases and Vital Strategies	November 2018- Till date	6 years 3 months (Continued)	Driving program implementation, stakeholder engagement, and policy development. Resource management (online materials, 1300+ circulars, orders, notifications), research administration, capacity building, health reform advocacy, and fostering partnerships to advance tobacco control.
3.	Director, Resource Centre for Cardiovascular Health	Global Health Advocacy Incubator	2018-2020	2 Years	Driving program implementation, stakeholder engagement, and policy development for cardiovascular health. Overseeing resource management, research, capacity building, health reform advocacy, and fostering partnerships to promote heart health and reduce cardiovascular disease risks.
4.	Director, E-learning course for Public Health	Independent Initiative	2021-Till Date	4 Years (Continued)	Developed and managed a proactive web-based knowledge transfer platform providing online courses in Public Health. Led the design and delivery of 9 programs focused on health management and tobacco control, enhancing accessibility and capacity-building in these critical areas.
5.	Deputy Medical Superintendent	PGIMER, Chandigarh	2008–2011	03 Years	Managed Emergency and Trauma Centre, oversaw Central Public Information Office, Central Sterile Supply Department, Pharmacy, Clinical Record Department, and Telephones.
6.	Purchase Officer	PGIMER, Chandigarh	2009–2010	01 Year	Developed purchase procedures and guidelines in collaboration with various departments of institute. Ensured timely procurement of equipment and facilitated the development of institutional purchase practices.
7.	Collegium Member	Department of Community Medicine and School of Public Health, Post Graduate Institute of Medical Education and Research, Chandigarh	2024- Till Date	01 Year (Continued)	Collaboration in decision-making, provide expert input on academic and administrative matters, and contribute to shaping policies and strategies for continuous development and quality improvement.
8.	Convenor, Scientific Support Group (SSG)	Directorate General of Health Services, Ministry of Health & Family Welfare, Government of India	2021-Till Date	03 Years (Continued)	Enhancing the capacity of National Tobacco Testing Laboratories (NTTLs) in India and Providing research, guidance, and technical support, along with developing and implementing capacity-building courses on Good Laboratory Practices (GLP) for NTTL staff.

9.	National NAAC Assessor	National Assessment and Accreditation Council	July 2022-Till Date	2 years 6 months (Continued)	Evaluation of institutional performance, assess quality metrics, ensure adherence to accreditation standards, and provide recommendations for improvement to enhance educational quality and institutional development.
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* Acknowledged by Prof. K.K. Talwar, Dr. Anil Gupta, and Dr. Vashistha for exemplary performance in administration, teaching, and research at PGIMER Chandigarh

5. **Areas of Specialization:** Public Health, Health Management, Primary health care, Health system strengthening, Operational Research, Quantitative social research, qualitative social research and Tobacco Control

6. Awards and Honors

S.No.	Awards (Year)	Title of Award	Awarding Body
1.	2026	Dr. R.V. Rajam Recognition of Academic Excellence (RAE) in the field of Community Health/ Communicable Diseases, Leprology and Sexually Transmitted Diseases	National Academy of Medical Sciences (NAMS)
2.	2026	Second prize under the category 'Professor' for his study 'Hypertension treatment cascade among men and women of reproductive age group in India: analysis of National Family Health Survey-5 (2019-2021), during the Institute's annual research day	Post Graduate Institute of Medical Education and Research, Chandigarh
3.	2026	Annual Mira Aghi Award for LMIC Research	Society for Research on Nicotine & Tobacco (SRNT)
4.	2025	Global Research Network Award	Society for Research on Nicotine & Tobacco (SRNT)
5.	2025	Potential for Innovation	Post Graduate Institute of Medical Education and Research, Chandigarh
6.	2023	Fellowship	National Academy of Medical Sciences (NAMS)
7.	2023	Dr. JE Park Oration	Indian Public Health Association (IPHA)
8.	2022	Dr. Nandagudi Suryanarayana Rao Award	National Academy of Medical Sciences (NAMS)
9.	2021	Country coordinator from India for South Asian Regional Consortium Centre for Combating Tobacco (SARC-CCT)	University of Colombo, Sri Lanka.
10.	2021	Convener of Scientific Support Group for Strengthening National Tobacco Testing Laboratories (NTTLs) of India	Ministry of Health & Family Welfare, Government of India
11.	2021	Adjunct Associate Clinical Professor in the School of Medicine, Faculty of Education & Health Sciences	University of Limerick Ireland
12.	2021	Honorary Professor in the Faculty of Human & Health Sciences	Swansea University
13.	2020	Harcharan Singh Oration	Indian Association of Preventive and Social Medicine
14.	2018	Best published article of the year	Medical Journal Armed Forces India
15.	2017	Vasudeva Oration	Indian Association of Preventive and Social Medicine-North Zone
16.	2017	Certificate of Appreciation for high quality published research work in 5 th Annual Research Day	Postgraduate Institute of Medical Education and Research, Chandigarh
17.	2017	Excellent work for 'Tobacco Free Punjab' and 'Chandigarh Smoke free'	State Tobacco Control Cells- Punjab and Chandigarh
18.	2015	Best Paper Award 'Enhancing Indian Economy through Medical Tourism'	Panjab University, Chandigarh
19.	2015	Fellowship	Indian Association of Preventive and Social Medicine
20.	2014	Excellence in Public Health	India Health & Wellness Awards

21.	2013	Visiting scholarship	Maastricht University, the Netherland (2 months)
22.	2009,2010,2011, 2012,2013, 2014	Young Researcher Award	Intramural Research Scheme PGIMER, Chandigarh
23.	2013	Member	Membership of National Academy of Medical Sciences (MNAMS)
24.	2012	Fellowship	International Medical Sciences Academy
25.	2012	Fellowship	Indian Public Health Association
26.	2011	Visiting Fellowship	John Hopkins School of Public Health, U.S- 2011 on Global Tobacco Control (2 weeks)
27.	2011	Scholarship	University Grants Commission
28.	2008	Best Poster	XII Annual Conference of Indian Association of Preventive and Social Medicine (North Zone Chapter)
29.	2006	Young researcher award (epidemiology)	IAPSM-FORD Foundation

7. Special appointments at International Level

S. No.	Position/Role	Organization	Period	Experience in Years
1.	Adjunct Professor	School of Medicine, Faculty of Education & Health Sciences, University of Limerick, Ireland	Research/Teaching/Administration	01st February 2026 till 01st February 2030
2.	Country Coordinator	South Asian Regional Consortium Centre for Combating Tobacco (SARC-CCT), Sri-Lanka	2021- Till Date	04 Years (Continued)
3.	Chair, Tobacco Control	International Union Against Tuberculosis and Lung Diseases, Paris	October 2021- November 2024	03 Years
4.	Co-Chair, Tobacco Control	International Union Against Tuberculosis and Lung Diseases	October 2018– October 2021	03 Years
5.	Adjunct Associate Clinical Professor	School of Medicine, Faculty of Education & Health Sciences, University of Limerick, Ireland	21 st August 2021 till 20 th August 2025	4 years
6.	Honorary Professor	Faculty of Human & Health Sciences at Swansea University, United Kingdom	1 st June 2021 till 30 th November 2023	2 ½ years
7.	Program Director, International Public Health Management Development Program	Indian Technical and Economic Cooperation, Ministry of External Affairs (MEA), Government of India (GOI)	March 2017- Till Date	7 years 10 months (Continued)

8. Professional Affiliations, Fellowships, and Reviewer ships

S. No.	Role/Position	Details	Organization/Journal
1	Fellow	International Medical Sciences Academy	FIMSA
2	Fellow	Indian Association of Preventive and Social Medicine	FIAPSM
3	Fellow	Indian Public Health Association	FIPHA
4	Fellow	National Academy of Medical Sciences	NAMS
5	Member	Indian Association of Preventive and Social Medicine (IAPSM)	Executive Member: National Chapter (2005–06, 2017–18); North Zone (2008–09)
6	Member	Indian Public Health Association	Executive Member: IPHA Chandigarh Chapter (2005–06)
7	Member	Population and Health – Perspective & Issues	Population and Health Perspective & Issues
8	Member	Indian Red Cross Society	IRC
9	Member	Association of Prevention and Control of Rabies in India	APCRI
10	Member	India Clinical Epidemiology Network	India CLEN
11	Member	International Epidemiological Association	IEA
12	Member	International Union Against Tuberculosis and Lung Diseases	IUATLD
13	Member	Indian Society of Medical Statistics	ISMS
14	Member	International Medical Sciences Academy	IMSA
15	Member	National Academy of Medical Sciences	NAMS
16	Reviewer	Bulletin of the World Health Organization	Peer-reviewed Journal
17	Reviewer	Indian Journal of Community Medicine	Peer-reviewed Journal
18	Assistant Editor	Member of National Scientific Committee/Advisory Board, Indian Journal of Public Health Research and Development	Peer-reviewed Journal
19	External Reviewer	Internal Ethics Committee of PGIMER	PGIMER
20	Reviewer	Indian Journal of Public Health	Peer-reviewed Journal
21	Reviewer	PLOS ONE	Peer-reviewed Journal
22	Reviewer	International Journal of Tuberculosis and Lung Disease	Peer-reviewed Journal
23	Reviewer	Public Health Action Journal	Peer-reviewed Journal

9. Scholarly achievements:**a. Patents: 18 Patents filed; 16 published and 3 Granted****Filed Patents:**

Sr No.	Title	Inventor	Applicant	Filing Date	Application No	Patent Utility/ Design
1	APPARATUS AND METHOD FOR DETECTION OF MEDICAL ABNORMALITIES USING X-RAY IMAGES	RAJ GAURANG TIWARI, SONU GOEL, VIKAS KHULLAR, AJAY KUMAR, AMBUJ KUMAR AGARWAL, SURYA NARAYAN PANDA, SIMRANJEET SINGH, KEERTI BHUSAN PRADHAN	CHITKARA INNOVATION INCUBATOR FOUNDATION	25-10-2021	202111048597	UTILITY
2	SYSTEM AND METHOD FOR SCREENING AND AUTOMATIC DIAGNOSIS OF DIABETIC FOOT DISEASE	AMBUJ KUMAR AGARWAL, SURYA NARAYAN PANDA, VIKAS KHULLAR, RAJ GAURANG TIWARI, SONU GOEL	CHITKARA INNOVATION INCUBATOR FOUNDATION	03-12-2021	202111056078	UTILITY
3	PORTABLE BED ATTACHMENT	SURYA NARAYAN PANDA, ARCHANA MANTRI, SACHIN AHUJA, SONU GOEL, SIMRANJEET SINGH, NAVEEN KUMAR	CHITKARA INNOVATION INCUBATOR FOUNDATION	10-01-2022	356406-001	DESIGN
4	X-RAY ANALYZER DEVICE	RAJ GAURANG TIWARI, SURYA NARAYAN PANDA, VIKAS KULLAR, AMBUJ KUMAR AGARWAL, SONU GOEL, AJAY KUMAR, RUCHI MITTAL	CHITKARA INNOVATION INCUBATOR FOUNDATION	19-01-2022	356982-001	DESIGN
5	PORTABLE CHAIR FOR ELDERLY/CRITICALLY ILL PATIENTS	SURYA NARAYAN PANDA, ARCHANA MANTRI, SACHIN AHUJA, SONU GOEL, SIMRANJEET SINGH, SUDARSON JENA, NAVEEN KUMAR	CHITKARA INNOVATION INCUBATOR FOUNDATION	28-01-2022	357442-001	DESIGN
6	A DEVICE FOR DIAGNOSIS OF SOCIAL COMMUNICATION DISORDER	MUSKAN CHAWLA, SURYA NARAYAN PANDA, VIKAS KHULLAR, SONU GOEL, PRABIN KUMAR PANIGRAHI	CHITKARA UNIVERSITY, CHITKARA INNOVATION INCUBATOR FOUNDATION	13-07-2022	202211040230	UTILITY
7	ASSEMBLY FOR LIFTING PATIENT FROM HOSPITAL BED	SURYA NARAYAN PANDA, SANJEEV VERMA, SACHIN AHUJA, SONU GOEL, PRABIN KUMAR PANIGRAHI, SUDERSON JENA, USHA DESAI, MUSKAN CHAWLA	CHITKARA UNIVERSITY, CHITKARA INNOVATION INCUBATOR FOUNDATION	10-08-2022	202211045768	UTILITY

8	MULTIFUNCTIONAL WHEELCHAIR FOR MOBILITY-IMPAIRED PERSON	SURYA NARAYAN PANDA, SANJEEV VERMA, SREENIVASA. S, USHA DESAI, SONU GOEL, ASHUTOSH PANDA, MOHIT KUMAR, SUDARSON JENA	CHITKARA UNIVERSITY, CHITKARA INNOVATION INCUBATOR FOUNDATION	19-10-2022	202211059676	UTILITY
9	PORTABLE DEVICE TO MEET TOILET NEEDS OF KIDS	MOHIT KUMAR, SURYA NARAYAN PANDA, SREENIVASA.S, USHA DESAI,SONU GOEL, SANJEEV VERMA	CHITKARA UNIVERSITY, CHITKARA INNOVATION INCUBATOR FOUNDATION	19-10-2022	202211059675	UTILITY
10	PORTABLE MULTIFUNCTIONAL WALKING AID	SURYA NARAYAN PANDA, SANJEEV VERMA, ASHUTOSH PANDA, VAISHALI PANDA, SONU GOEL	CHITKARA UNIVERSITY, CHITKARA INNOVATION INCUBATOR FOUNDATION	21-05-2023	202311035351	UTILITY
11	SPECTACLE MOUNTED DEVICE AND TERMINALFOR VISUAL ACUITY TEST (DYNAMIC & STATIC)WITH MIXED REALITY	NAVNEET SHARMA, RENU THAKUR, BHANU SHARMA, SURYA NARAYAN PANDA, SONU GOEL	CHITKARA UNIVERSITY, CHITKARA INNOVATION INCUBATOR FOUNDATION	30-10-2023	202311073641	UTILITY
12	SYSTEM AND METHOD FOR ANALYZING EMOTIONAL CAPABILITIES IN VERBAL COMMUNICATION OF USERS	MUSKAN CHAWLA, SURYA NARAYAN PANDA, VIKAS KHULLAR, SUNNY SINGH, SONU GOEL	CHITKARA UNIVERSITY, CHITKARA INNOVATION INCUBATOR FOUNDATION	07-05-2024	202411036213	UTILITY
13	AI BASED DEVICE TO DETECT MOUTH CANCER	SN PANDA, SANJEEV KUMAR, SONU GOEL, S. SREENIVASA, USHA DESAI, PANKAJ KUMAR NATU	CHITKARA UNIVERSITY, CHITKARA INNOVATION INCUBATOR FOUNDATION	22-05-2024	202411039861	UTILITY
14	IOT AND ARTIFICIAL INTELLIGENCE BASED GASTRIC CANCER SCREENING SYSTEM	AMITA SALARIA, SURYA NARAYAN PANDA, MUSKAN CHAWLA, SWATI GOEL, SONU GOEL	CHITKARA UNIVERSITY, CHITKARA INNOVATION INCUBATOR FOUNDATION	31-08-2024	202411066010	UTILITY
15	ERGONOMIC COMMODE WHEELCHAIR WITH DUAL SEAT FACILITY	NAVEEN KUMAR, SANJEEV VERMA, SURYA NARAYAN PANDA, RAJESH KUMAR KAUSHAL, SONU GOEL	CHITKARA UNIVERSITY, CHITKARA INNOVATION INCUBATOR FOUNDATION	17-09-2024	430709-001	DESIGN
16	SKIN CANCER DETECTION SYSTEM USING ARTIFICIAL INTELLIGENCE AND QUANTUM COMPUTING	MUSKAN CHAWLA, SURYA NARAYAN PANDA, VIKAS KHULLAR, AMITA SALARIA, SONU GOEL	CHITKARA UNIVERSITY, CHITKARA INNOVATION INCUBATOR FOUNDATION	31-05-2025	202511053144	UTILITY
17	INTRAORAL HEALTH ASSESSMENT AND TREATMENT DEVICE	AMITA SALARIA, SURYA NARAYAN PANDA, VIKAS KHULLAR, MUSKAN CHAWLA, SONU GOEL,	CHITKARA UNIVERSITY, CHITKARA INNOVATION	25-09-2025	202511092123	UTILITY

		S. SREENIVASA, MANI GOYAL, TRIBHAV GOEL	INCUBATOR FOUNDATION			
18	MULTI-MODAL LUNG CANCER DETECTION SYSTEM	AMITA SALARIA, SURYA NARAYAN PANDA, VIKAS KHULLAR, MUSKAN CHAWLA, SONU GOEL	CHITKARA UNIVERSITY, CHITKARA INNOVATION INCUBATOR FOUNDATION	30-10-2025	202511105036	UTILITY

Published Patents:

Sr No.	Title	Inventor	Applicant	Filing Date	Application No	Publication date	Design /Utility
1	MULTIFUNCTIONAL WHEELCHAIR FOR MOBILITY-IMPAIRED PERSON	SURYA NARAYAN PANDA, SANJEEV VERMA, SREENIVASA. S, USHA DESAI, SONU GOEL, ASHUTOSH PANDA, MOHIT KUMAR, SUDARSON JENA	CHITKARA UNIVERSITY, CHITKARA INNOVATION INCUBATOR FOUNDATION	19-10-2022	202211059676	16-12-2022	Utility
2	A DEVICE FOR DIAGNOSIS OF SOCIAL COMMUNICATION DISORDER	MUSKAN CHAWLA, SURYA NARAYAN PANDA, VIKAS KHULLAR, SONU GOEL, PRABIN KUMAR PANIGRAHI	CHITKARA UNIVERSITY, CHITKARA INNOVATION INCUBATOR FOUNDATION	13-07-2022	202211040230	30-12-2022	Utility
3	PORTABLE DEVICE TO MEET TOILET NEEDS OF KIDS	MOHIT KUMAR, SURYA NARAYAN PANDA, SREENIVASA.S, USHA DESAI, SONU GOEL, SANJEEV VERMA	CHITKARA UNIVERSITY, CHITKARA INNOVATION INCUBATOR FOUNDATION	19-10-2022	202211059675	06-01-2023	Utility
4	PORTABLE MULTIFUNCTIONAL WALKING AID	SURYA NARAYAN PANDA, SANJEEV VERMA, ASHUTOSH PANDA, VAISHALI PANDA, SONU GOEL	CHITKARA UNIVERSITY, CHITKARA INNOVATION INCUBATOR FOUNDATION	21-05-2023	202311035351	30-06-2023	Utility
5	SYSTEM AND METHOD FOR SCREENING AND AUTOMATIC DIAGNOSIS OF DIABETIC FOOT DISEASE	AMBUJ KUMAR AGARWAL, SURYA NARAYAN PANDA, VIKAS KHULLAR, RAJ GAURANG TIWARI, SONU GOEL	CHITKARA INNOVATION INCUBATOR FOUNDATION	03-12-2021	202111056078	09-06-2023	Utility
6	ASSEMBLY FOR LIFTING PATIENT FROM HOSPITAL BED	SURYA NARAYAN PANDA, SANJEEV VERMA, SACHIN AHUJA, SONU	CHITKARA UNIVERSITY, CHITKARA INNOVATION	10-08-2022	202211045768	20-01-2023	Utility

		GOEL, PRABIN KUMAR PANIGRAHI, SUDERSON JENA, USHA DESAI, MUSKAN CHAWLA	INCUBATOR FOUNDATION				
7	APPARATUS AND METHOD FOR DETECTION OF MEDICAL ABNORMALITIES USING X-RAY IMAGES	RAJ GAURANG TIWARI, SONU GOEL, VIKAS KHULLAR, AJAY KUMAR, AMBUJ KUMAR AGARWAL, SURYA NARAYAN PANDA, SIMRANJEET SINGH, KEERTI BHUSAN PRADHAN	CHITKARA INNOVATION INCUBATOR FOUNDATION	25-10-2021	202111048597	28-04-2023	Utility
8	SYSTEM AND METHOD FOR SCREENING AND AUTOMATIC DIAGNOSIS OF DIABETIC FOOT DISEASE	AMBUJ KUMAR AGARWAL, SURYA NARAYAN PANDA, VIKAS KHULLAR, RAJ GAURANG TIWARI, SONU GOEL	CHITKARA INNOVATION INCUBATOR FOUNDATION	03-12-2021	202111056078	09-06-2023	Utility
9	PORTABLE MULTIFUNCTIONAL WALKING AID	SURYA NARAYAN PANDA, SANJEEV VERMA, ASHUTOSH PANDA, VAISHALI PANDA, SONU GOEL	CHITKARA UNIVERSITY, CHITKARA INNOVATION INCUBATOR FOUNDATION	21-05-2023	202311035351	30-06-2023	Utility
10	SPECTACLE MOUNTED DEVICE AND TERMINALFOR VISUAL ACUITY TEST (DYNAMIC & STATIC)WITH MIXED REALITY	NAVNEET SHARMA, RENU THAKUR, BHANU SHARMA, SURYA NARAYAN PANDA, SONU GOEL	CHITKARA UNIVERSITY, CHITKARA INNOVATION INCUBATOR FOUNDATION	30-10-2023	202311073641	24-11-2023	Utility
11	SYSTEM AND METHOD FOR ANALYZING EMOTIONAL CAPABILITIES IN VERBAL COMMUNICATION OF USERS	MUSKAN CHAWLA, SURYA NARAYAN PANDA, VIKAS KHULLAR, SUNNY SINGH, SONU GOEL	CHITKARA UNIVERSITY, CHITKARA INNOVATION INCUBATOR FOUNDATION	07-05-2024	202411036213	17-05-2024	Utility
12	AI BASED DEVICE TO DETECT MOUTH CANCER	SN PANDA, SANJEEV KUMAR, SONU GOEL, S. SREENIVASA, USHA DESAI, PANKAJ KUMAR NATU	CHITKARA UNIVERSITY, CHITKARA INNOVATION INCUBATOR FOUNDATION	22-05-2024	202411039861	07-06-2024	Utility
13	IOT AND ARTIFICIAL INTELLIGENCE BASED GASTRIC CANCER	AMITA SALARIA, SURYA NARAYAN PANDA, MUSKAN CHAWLA, SWATI	CHITKARA UNIVERSITY, CHITKARA INNOVATION	31-08-2024	202411066010	20-09-2024	Utility

	SCREENING SYSTEM	GOEL, SONU GOEL	INCUBATOR FOUNDATION				
14	SKIN CANCER DETECTION SYSTEM USING ARTIFICIAL INTELLIGENCE AND QUANTUM COMPUTING	MUSKAN CHAWLA, SURYA NARAYAN PANDA, VIKAS KHULLAR, AMITA SALARIA, SONU GOEL	CHITKARA UNIVERSITY, CHITKARA INNOVATION INCUBATOR FOUNDATION	31-05-2025	202511053144	13-06-2025	Utility
15	INTRAORAL HEALTH ASSESSMENT AND TREATMENT DEVICE	AMITA SALARIA, SURYA NARAYAN PANDA, VIKAS KHULLAR, MUSKAN CHAWLA, SONU GOEL, S. SREENIVASA, MANI GOYAL, TRIBHAV GOEL	CHITKARA UNIVERSITY, CHITKARA INNOVATION INCUBATOR FOUNDATION	25-09-2025	202511092123	31-10-2025	Utility
16	MULTI-MODAL LUNG CANCER DETECTION SYSTEM	AMITA SALARIA, SURYA NARAYAN PANDA, VIKAS KHULLAR, MUSKAN CHAWLA, SONU GOEL	CHITKARA UNIVERSITY, CHITKARA INNOVATION INCUBATOR FOUNDATION	30-10-2025	202511105036	12-12-2025	Utility

Granted Patents

Sr No.	Title	Inventor	Applicant	Filing Date	Application No	Journal Number & Date	Granted date	Design /Utility
1	X-RAY ANALYZER DEVICE	RAJ GAURANG TIWARI, SURYA NARAYAN PANDA, VIKAS KULLAR, AMBUJ KUMAR AGARWAL, SONU GOEL, AJAY KUMAR, RUCHI MITTAL	CHITKARA INNOVATION INCUBATOR FOUNDATION	19-01-2022	356982-001	Journal Number:04/2023 Journal Date:27/01/2023	27-01-2023	DESIGN
2	PORTABLE CHAIR FOR ELDERLY/CRITICALLY ILL PATIENTS	SURYA NARAYAN PANDA, ARCHANA MANTRI, SACHIN AHUJA, SONU GOEL, SIMRANJEET SINGH, SUDARSON JENA, NAVEEN KUMAR	CHITKARA INNOVATION INCUBATOR FOUNDATION	28-01-2022	357442-001	Journal Number:04/2023 Journal Date:27/01/2023	27-01-2023	DESIGN

3	PORTABLE BED ATTACHMENT	SURYA NARAYAN PANDA, ARCHANA MANTRI, SACHIN AHUJA, SONU GOEL, SIMRANJEET SINGH, NAVEEN KUMAR	CHITKARA INNOVATION INCUBATOR FOUNDATION	10-01-2022	356406-001	Journal No is 15/2023 Journal Date is 14/04/2023	14-04-2023	DESIGN
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b. Editor of Book

S.No.	Title	Publisher	Year	ISBN
1	Global Public Health Perspectives on Leadership and Management by Cambridge Scholars	Cambridge Scholars Publishing; UK	2025	978-1036442729
2	Report of the Task Force on Tobacco Control	National Academy of Medical Sciences, New Delhi	2025	978-93-342-9769-0.
3	Tobacco Control Priorities in India: Progress, Challenges, and Solutions (Volume II)	Century Publications	2025	978-81-976660-0-1
4	Compendium on Good, Replicable and Innovative Practices (GRIP) of Tobacco Control in India - Volume II	Century Publications	2023	978-81-956189-8-9
5	Tobacco Control Priorities in India: Progress, Challenges, and Solutions	Century Publications	2023	978-81-95-6185-9-6
6	Compendium on Good, Replicable and Innovative Practices (GRIP) of Tobacco Control in India - Volume I	Century Publications	2023	978-81-956189-2-7
7	Report on Tobacco Industry Interference in India- Case Studies [Internet]	Century Publications	2022	978-81-95-6189-4-1
8	Management of Healthcare Systems	Oxford University Press	2021	978-0199490967
9	Hospital Administration: A Problem-Solving Approach	Elsevier Publishers	2014	978-8131234600
10	Health Promotion: Need for Public Health Activism Volume 1	Lambert Academic Publishing	2013	978-3659383038
11	Health Promotion: Need for Public Health Activism Volume 2	Lambert Academic Publishing	2013	978-3659383038
12	Compliance Monitoring of Smoke-Free Law of a District of India	Lambert Academic Publishing	2012	978-3659153273
13	Tobacco Control: A Module for Public Health Professionals	Self-Publishing	2012	978-9352674152

e. Chapters written in Textbooks

S. No.	Authors (Year)	Title of Chapter	Book Title	Publisher	Page Numbers
1	Goel S, K Upadhyay (2021)	Operational Research	Management of Healthcare Systems	Oxford University Press	625-638

2	Goel S, Padhy S (2019)	Theories of Tobacco Addiction	Tobacco Cessation: A Practice Manual for Primary Care Physicians	CRC Press, Taylor and Francis	23-29
3	Goel S, Bhatt G (2023)	The Unequivocal Relationship Between Tuberculosis and Tobacco	Tuberculosis: Integrated Studies for a Complex Disease	Springer International Publishing	59-78
4	Navpreet S, Goel S, Goel S, Singh AJ (2014)	Chandigarh: An Aged Friendly City	Comprehensive Textbook of Elderly Care	Century Publications	263-274
5	Ahuja PK, Gupta AK, Singh A, Goel S (2014)	Evolution of Hospital System in India	Hospital Administration - A Problem Solving Approach	Elsevier Publishers, India	3-6
6	Singh A, Goel S (2014)	Changing Role of Hospitals in a Globalized Society	Hospital Administration - A Problem Solving Approach	Elsevier Publishers, India	
7	Devnani M, Gupta AK, Goel S (2014)	Building Health-Promoting Hospitals - A New Concept in Hospital Admin	Hospital Administration - A Problem Solving Approach	Elsevier Publishers, India	7-11
8	Goel S, Devnani M, Ahuja PK, Gupta AK, Singh A (2014)	Healthy Hospital Environment - A Key to Safe Health	Hospital Administration - A Problem Solving Approach	Elsevier Publishers, India	13-17
9	Mehta JC, Ahuja PK, Singh A, Goel S (2014)	Creating Specialist Manpower for Hospital Engineering Services	Hospital Administration - A Problem Solving Approach	Elsevier Publishers, India	18-22
10	Sharma R, Goel S (2014)	Outpatient Department Services	Hospital Administration - A Problem Solving Approach	Elsevier Publishers, India	85-95
11	Talati S, Gupta AK, Goel S (2014)	Operation Theatre Services	Hospital Administration - A Problem Solving Approach	Elsevier Publishers, India	106-112
12	Goel S, Gupta AK, Raj S, Devnani M, Singh A (2014)	Health-Promoting Hospital Emergency Department	Hospital Administration - A Problem Solving Approach	Elsevier Publishers, India	113-122
13	Sahni N, Dudeja P, Goel S (2014)	Dietetic Unit Services	Hospital Administration - A Problem Solving Approach	Elsevier Publishers, India	177-183
14	Dudeja P, Singh A, Goel S (2014)	Food Safety in Hospitals	Hospital Administration - A Problem Solving Approach	Elsevier Publishers, India	184-188
15	Malhotra G, Kaur T, Prarthi NK, Singh A, Goel S (2014)	Efficient Ambulance Services - Key to Patient Care	Hospital Administration - A Problem Solving Approach	Elsevier Publishers, India	189-195
16	Kaur T, Singh A, Malhotra G, Prarthi NK, Goel S (2014)	Transport Services	Hospital Administration - A Problem Solving Approach	Elsevier Publishers, India	196-200

17	Singh D, Singh SP, Goel S (2014)	Medicolegal Services	Hospital Administration - A Problem Solving Approach	Elsevier Publishers, India	201-208
18	Gupta AK, Goel S (2014)	Building Public Image of Hospitals	Hospital Administration - A Problem Solving Approach	Elsevier Publishers, India	209-213
19	Wadwalkar M, Goel S (2014)	Public Relations in Hospitals	Hospital Administration - A Problem Solving Approach	Elsevier Publishers, India	214-222
20	Kar SS, Ramalingam A, Goel S (2014)	Materials Management	Hospital Administration - A Problem Solving Approach	Elsevier Publishers, India	223-229
21	Koushal VK, Singh H, Goel S (2014)	Purchase and Procurement System	Hospital Administration - A Problem Solving Approach	Elsevier Publishers, India	230-242
22	Pandey N, Pandey N, Julka S, Goel S (2014)	Quality Management - I	Hospital Administration - A Problem Solving Approach	Elsevier Publishers, India	243-258
23	Pandey N, Pandey N, Julka S, Goel S (2014)	Quality Management - II	Hospital Administration - A Problem Solving Approach	Elsevier Publishers, India	259-270
24	Goel S, Devnani M, Gupta AK, Singh A (2014)	Prevention of Hospital-acquired Infections	Hospital Administration - A Problem Solving Approach	Elsevier Publishers, India	271-274
25	Ahuja PK, Singh A, Goel S (2014)	Biomedical Waste Management	Hospital Administration - A Problem Solving Approach	Elsevier Publishers, India	281-290
26	Sharma PC, Goel S (2014)	Hospital Security	Hospital Administration - A Problem Solving Approach	Elsevier Publishers, India	303-313
27	Adhish V, Saxena SG, Goel S (2014)	Human Resource Management	Hospital Administration - A Problem Solving Approach	Elsevier Publishers, India	315-326
28	Sharma A, Singh AJ, Goel S (2014)	Patient Satisfaction	Hospital Administration - A Problem Solving Approach	Elsevier Publishers, India	330-333
29	Adhish V, Saxena SG, Goel S (2014)	Operations Research in Hospitals	Hospital Administration - A Problem Solving Approach	Elsevier Publishers, India	385-392
30	Gupta AK, Goel S, Talati S (2014)	Hospitals and Laws of the Land	Hospital Administration - A Problem Solving Approach	Elsevier Publishers, India	393-401

31	Kanwar V, Goel S, Gupta AK (2014)	Emerging Health Insurance in India	Hospital Administration - A Problem Solving Approach	Elsevier Publishers, India	402-409
32	Bhatnagar N, Goel S, Singh A (2014)	Scope and Potential of Using Mobile Health in Hospitals	Hospital Administration - A Problem Solving Approach	Elsevier Publishers, India	424-429
33	Goel S, Devnani M, Chauhan A, Raj S, Gupta AK (2013)	Health Promoting Hospital Emergency Department	Health Promotion: Need for Public Health Activism Volume-2	LAP LAMBERT Academic Publishing	169-181
34	Devnani M, Goel S, Gupta AK (2013)	Health Promotion and Hospital Acquired Infection Prevention	Health Promotion: Need for Public Health Activism Volume-2	LAP LAMBERT Academic Publishing	131-141
35	Goel S, Devnani M, Ahuja PK, Gupta AK, Singh AJ (2013)	Hospital Environment and Health Promotion	Health Promotion: Need for Public Health Activism Volume-2	LAP LAMBERT Academic Publishing	118-130
36	Raj S, Goel S, Bains P (2013)	Oral Health Promotion	Health Promotion: Need for Public Health Activism Volume-2	LAP LAMBERT Academic Publishing	356-369
37	Goel S, Singh A (2013)	Evaluation of Health Promotion Programmes	Health Promotion: Need for Public Health Activism Volume-2	LAP LAMBERT Academic Publishing	437-451
38	Singh N, Goel S, Raj S, Singh A (2013)	Healthy Cities Can Ensure Good Health: A Case Study	Health Promotion: Need for Public Health Activism Volume-2	LAP LAMBERT Academic Publishing	224-251
39	Goel S, Singh AJ (2009)	First Aid by the Lady of the House-Management of Common Illnesses	Demedicalizing Women's Health: AJ Singh et al (Eds)	Gyan Book (P) Ltd., New Delhi	
40	Verma P, Goel S, Kumar N (2015)	Make in India through Medical Tourism: Challenges and Opportunities	Make in India Destination 'Made in India': Gupta RK and Bansal G (Eds)	Bharti Publications (P) Ltd.	

10. International Academic Exposure- Conferences

S.No.	Year	Purpose of visit	Organizers	Country visited
1	10 - 13 April 2026	Delivered two oral presentations; Factors Affecting Medical Student's Interests In Working In Rural Areas In North India—a Qualitative Inquiry and Insights from Best Practices and Innovations from Low- and Middle-Income Countries	21 st WONCA World Rural Health Conference	Newzealand
2	12-15 October 2025	One poster presentation at the Inclusive Health Systems: Navigating Challenges with Technology and Humanity	International Conference on Quality in Health Care	Sao Paulo Brazil
3	23-25 June 2025	Delivered four poster presentations at the World Conference on Tobacco Control 2025	World Conference on Tobacco Control 2025	Dublin, Ireland
4	24–26 March 2025	Delivered two invited oral presentations on national priorities for tobacco control in India and tobacco industry interference	International Public Health Conference	Singapore
5	12-15 March 2025	Delivered one oral presentation on Limiting nicotine levels and banning flavors in smokeless tobacco products in India	Annual Conference of the Society for Research on Nicotine and Tobacco (SRNT)	New Orleans, USA
6	11 th November – 17 th November 2024	Delivered 02 special sessions at the World Lung Conference	International Union Against Tuberculosis and Lung Disease (The Union)	Indonesia
7	15 th - 18 th November 2023	Delivered a special session on “Protecting lung health from the tobacco industry’ Transforming Evidence into Practice” at the World Lung Conference	International Union Against Tuberculosis and Lung Disease (The Union)	France
8	19 th -22 nd June 2023	Delivered a special session on Development of online National Resource Centre for Tobacco Control in India	9 th Annual International Conference on Public Health	Athens, Greece
9	09 th -13 th May 2023	Delivered 03 sessions on TARGET OF TOBACCO CONTROL IN INDIA- Control or complete elimination?’, ‘Leadership and Management programs for doctors of 161 ITEC nations- Experience sharing from India’ and ‘Development of online National Resource Centre for Tobacco Control in India	26 th Annual Congress of Turkish Thoracic Society	Belek /Antalya, Turkey
10	17 th -21 st March 2023	Pre-conference workshop “Leadership in Public Health” in 4 th World Congress on Public Health, Epidemiology and Nutrition	World Congress on Public Health, Epidemiology and Nutrition	Paris, France
11	3 th -6 th March 2020	Workshop on Public health policy & management	University of Tanta, Egypt	Egypt

12	15 th -20 th December 2019	Executive Leadership program	Department of Community Medicine and School of Public Health, PGIMER and Mahidol University	Thailand
13	7 th - 8 th November 2019	IMSACON 2019, Medical Infections	Baskent University, Ankara Turkey	Turkey
14	27 th - 29 th May 2019	Workshop of the South Asian Regional Consortium Centre for Combating Tobacco (SARC-CCT)	Centre for Combating Tobacco (CCT)	Colombo, Sri Lanka
15	13 th -15 th September 2018	The 12 th Asia Pacific Conference on Tobacco Or Health	National Committee on Tobacco Control, Indonesia	Bali, Indonesia
16	23 th -25 th August 2018	37 TH year IMSACON 2018	International Medical Science Academy	Glasgow, UK
17	7 th -9 th March 2018	17 th World Conference on tobacco or health: Presenting research paper	International UNION Against T.B and Lung Diseases (The Union)	Cape town, South Africa.
18	6 th March 2018	Participated in Bloomberg Initiative Grantee Meeting	International UNION Against T.B and Lung Diseases (The Union)	Cape town, South Africa
19	19 th -22 nd August 2017,	21 st International Epidemiological Association (IEA) World Congress of Epidemiology (WCE 2017): Presenting research paper	International Epidemiological Association	Tokyo, Japan
20	3 rd -7 th April 2017	15 th World Congress on Public Health' (WCPH): Presenting research paper	World Federation of Public Health Associations (WFPHA)	Melbourne, Australia
21	26 th -29 th October 2016	47 th Union World Conference on Lung Health: Two oral, two e- poster presentation and two posters discussion sessions.	International UNION Against T.B and Lung Diseases (The Union)	Liverpool, United Kingdom
22	6 th -8 th October 2016	35 TH Annual Conference cum convocation of IMSACON: Two oral papers presentation 'Public Health in India-Challenges and Opportunities' AND Utilizing m-health in Primary Health Care Delivery of Developing Countries	International Medical Sciences Academy	Mauritius
23	11 th -18 th December 2015	South Asia SORT-IT UNION Operational Research Course: Visiting Faculty	International UNION Against T.B and Lung Diseases (The Union)	Colombo, Sri Lanka
24	2 nd -6 th December 2015	46 th UNION World conference on Lung Health: Presented two Poster Discussions- 1. Impact of smoking cessation intervention package on treatment outcome of tuberculosis patients in North India: a cluster randomized control trial 2. Does smoking during tuberculosis treatment affects outcomes?: A cross-sectional study in Chandigarh, India)	International UNION Against T.B and Lung Diseases (The Union)	Cape Town, South Africa
25	2 nd -6 th December 2015	46 th UNION World conference on Lung Health: Invited talk on Tobacco Control Research Experience in India'	International UNION Against T.B and Lung Diseases (The Union)	Cape Town, South Africa
26	16 th -22 nd March 2015	Chaired a symposium, invited speaker in two sessions and presented two papers in 16th World Conference on Tobacco and Health (WCTOH)	International UNION Against T.B and Lung Diseases (The Union)	Abu Dhabi

27	3 rd -8 th March 2015	Invited Faculty of International South Asia UNION course on Operational Research	International UNION Against T.B and Lung Diseases (The Union)	Kathmandu, Nepal
28	28 th October - 1 st November 2014	45 th Union World Conference on Lung Health	International UNION Against T.B and Lung Diseases (The Union)	Barcelona, Spain
29	29 th -3 rd October 2014	Third Global Symposium on Health Systems Research	Health System Global Secretariat	Cape Town, South Africa
30	2 nd -4 th July 2014	Chaired a oral presentation session and presented a paper in Global Public Health conference	Global Public Health Secretariat	Negombo, Sri Lanka
31	4 th November - 25 th December 2013	Attended a course 'Health Care Governance and Ethics'	Department of Health System Research, Maastricht University	The Netherland
32	25 th -29 th September 2013	Chaired a oral presentation session in XI South East Asia Regional Scientific Meeting of the International Epidemiological Association	International Epidemiological Association	Pokhara, Nepal
33	14 th -19 th January 2013	Invited Faculty of International South Asia UNION course on Operational Research	International UNION Against T.B and Lung Diseases (The Union)	Kathmandu, Nepal
34	13 th -17 th November 2012	Presented papers (n=2) and attended meeting on Child Lung Health Programme in 43 rd World Lung Conference	International UNION Against T.B and Lung Diseases (The Union)	Kuala Lumpur, Malaysia
35	31 st October- 3 rd November 2012	Presented paper in Second Global Symposium on Health System Research	Health System Global Secretariat	Beijing, China
36	20 th -24 th March 2012	Presented papers (2) in 15 th World Conference on Tobacco and Health (WCTOH)	International UNION Against T.B and Lung Diseases (The Union)	Singapore
37	November 29 th – December 1 st 2011	Attended workshop "Integrating MPOWER-based Tobacco Control in Medical and Nursing Curricula in Bangladesh, China, India and Indonesia"	International UNION Against T.B and Lung Diseases (The Union)	Singapore
38	12 th – 25 th June 2011	Fellowship (2 weeks) for certificate credit (16) course on Global Tobacco Control	John Hopkins School of Public Health	Baltimore, United States
39	24 th -26 th May 2010	10 th South East Asia Regional Scientific Meeting of International Epidemiological Association	International Epidemiological Association	Colombo, Sri Lanka
40	2 nd -8 th February 2010	Attended Regional MPOWER and Framework Convention on Tobacco Control (FCTC) workshop	International UNION Against T.B and Lung Diseases (The Union)	Bangkok, Thailand

11. Publications

INTERNATIONAL PUBLICATIONS

1. Goel C, Ghosh A, Goel S. A multi-faceted approach to tobacco cessation: integrating shared decision-making intervention in PIET model. *Nicotine & Tobacco Research*. 2026 Mar 17;ntag050. URL: <https://academic.oup.com/ntr/advance-article-abstract/doi/10.1093/ntr/ntag050/8526238>
2. Prarthana T, Handa S, Goel S, Mahajan R, Hanumanthu V, Mehta H, De D. Determining the reliability of existing pemphigus severity scores for tele-dermatology. *Archives of Dermatological Research*. 2026 Feb 28;318(1):99. URL: <https://link.springer.com/article/10.1007/s00403-026-04545-3#Fun>
3. Kaur J, Goel S, Shabil M, Gupta S, Rana RK, Rinkoo AV, Chauhan A. E-cigarette use and subsequent tobacco smoking initiation: an umbrella review with Bayesian model meta-analysis. *Tobacco Control*. 2026 Feb 26. URL: <https://pubmed.ncbi.nlm.nih.gov/41748427/>
4. Davis TC, Kumar V, Sebastian SM, Anilkumar S, Thomas J, Goel S. Global Trends, Collaborative Networks, and Research Gaps in Substance Use and Mental Health: A Bibliometric Analysis. *International Journal of Mental Health and Addiction*. 2026 Feb 25:1-6. URL: <https://link.springer.com/article/10.1007/s11469-025-01601-3>
5. Raj S, Shabil M, Sachdeva M, Goel S. Effectiveness of telephone counseling and quitlines in tobacco cessation: A systematic review and meta-analysis. *Annals of Epidemiology*. 2026 Feb 24:110059. URL: <https://www.sciencedirect.com/science/article/pii/S1047279726000578>
6. Halder P, Khaiwal R, Goel S, Kumar N, Sarkar M, Soni M, Nongkynrih B, Prabhakar MC, Mamgai A, Rathor S. Burden of chronic obstructive pulmonary disease among Indian adults: systematic review and meta-analysis. *BMC Pulmonary Medicine*. 2026 Feb 7. URL: <https://link.springer.com/article/10.1186/s12890-026-04134-0>
7. Walia D, Goel S, Goel C, Singh RJ. Decoding Public Perception: Knowledge, Attitudes, and Practices on WHO FCTC Articles 9 and 10 in India. *Advances in Public Health*. 2026;2026(1):5523251. URL: <https://onlinelibrary.wiley.com/doi/10.1155/adph/5523251>
8. Goel S, Goel C, Walia D, Swasticharan L, Gupta PC, Kar SS. Strengthening Tobacco Product Regulation: Addressing Challenges and Strategies for Articles 9 and 10 Implementation. *Health Care Analysis*. 2025 Dec 18:1-24. URL: <https://link.springer.com/article/10.1007/s10728-025-00553-y>
9. Panda SN, Rout HS, Pattanaik AA, Kundu H, Barik M, Goel S. Research on Passive Smoking and Cardiovascular Diseases in 21 st Century: A Bibliometric Analysis. *SN Comprehensive Clinical Medicine*. 2025 Dec;7(1):451. URL: <https://link.springer.com/article/10.1007/s42399-025-02169-8>
10. Gupta S, Babu P, Halder D, Bag S, Zaidi I, Goel S. The intersection of climate change and cancer across global populations: A bibliometric analysis (2000–2024). *Cancer epidemiology*. 2025 Dec 1;99:102926. URL: <https://www.sciencedirect.com/science/article/pii/S1877782125001869>
11. Shuter J, Goel S, Himelhoch SS. Integration of Tobacco-Cessation Interventions into Tuberculosis and HIV Care. *New England Journal of Medicine*. 2025 Nov 15. URL: <https://www.nejm.org/doi/full/10.1056/NEJMp2500490>
12. Goel S, Goel C, Walia D, Sunthlia A, Swasticharan L, Joshi RP, Goel A. Development and validation of a tobacco testing laboratories assessment tool. *PLoS One*. 2025 Nov 7;20(11):e0334653. URL: <https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0334653>
13. Mathiyalagen P, Rajagopal A, Vasudevan K, Gnanasekaran S, Burugina Nagaraja S, Bora J, Goel S. Hypertension screening across different age groups in Indian adults: Evidence from nationally representative cross-sectional data. *Plos one*. 2025 Oct 29;20(10):e0332226. URL: <https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0332226>
14. Kaur J, Goel S, Shabil M, Rana RK, Rinkoo AV, Chauhan A, Gupta S. Health impacts of electronic nicotine delivery systems: an umbrella review of systematic reviews. *BMJ open*. 2025 Oct 1;15(10):e100168. URL: <https://bmjopen.bmj.com/content/15/10/e100168>
15. Kadam Y, Dagli N, Venugopal R, Raj S, Goel S. Global Trends and Emerging Themes in Tele-Ophthalmology Research: A Bibliometric Analysis (1993 to 2024). In *Seminars in Ophthalmology* 2025 Sep 18 (pp. 1-11). Taylor & Francis. URL: <https://www.tandfonline.com/doi/full/10.1080/08820538.2025.2559842>
16. World Health Organization. World No Tobacco Day 2023: grow food, not tobacco. World Health Organization; 2023 May 24. URL: <https://www.frontiersin.org/journals/public-health/articles/10.3389/fpubh.2025.1676372/full>
17. Bhatt G, Goel S, Yadav SK, Patial A, Medhi B, Grover S, Attri S, Kaur R, Singh G, Gill SS. A randomised controlled trial to evaluate the effectiveness of a culture and disease-specific, patient-centric multi-component tobacco cessation intervention package for the patients attending non-communicable disease clinics in Punjab, India. *Psychology & health*. 2025 Sep 2;40(9):1497-514. URL: <https://www.tandfonline.com/doi/full/10.1080/08870446.2024.2333896>
18. Verma M, Bhatt G, Lal P, Singh R, Sinha P, Pandey AK, Singh RJ, Munish VG, Kar SS, Goel S. Evolution of tobacco pack health warning labels in India-a timely consensus. *BMC Public Health*. 2025 Aug 14;25(1):2776. URL: <https://link.springer.com/article/10.1186/s12889-025-23950-3>
19. Lal D, Virk A, Goel A, Goel S, Lal KK, Garg S, Bharti B. Healthcare access and utilisation trends among the elderly in India: Evidence from the LASI Wave-1 survey. *Dialogues in Health*. 2025 Aug 13:100232. URL: <https://linkinghub.elsevier.com/retrieve/pii/S2772653325000292>
20. Singh G, Agrawal R, Kumar S, Kumar S, Negi R, Goel S, Agarwal T. Prevalence and determinants of prehypertension (elevated blood pressure or high normal BP) according to different classifications in India during 2015–2021: Evidence from the large national surveys. *PLoS One*. 2025 Jun 11;20(6):e0325437. URL: <https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0325437>

21. Ghosh A, George BB, Malav P, Choudhury S, Goel S. Mapping the landscape of mental health research through Google Trends: Bibliometric and thematic insights. *Psychiatry and Clinical Neurosciences Reports*. 2025 Jun;4(2):e70101. URL: <https://onlinelibrary.wiley.com/doi/10.1002/pcn5.70101>
22. Kshtriya P, Goel S, Ghosh A. Efficacy of shared decision making in tobacco cessation among health facilities of Haryana, India—A double blinded, parallel group Randomized Controlled trial Protocol. *Public Health in Practice*. 2025 Jun 1;9:100581. URL: <https://www.sciencedirect.com/science/article/pii/S2666535224001186>
23. Verma M, Kapoor N, Jaiswal AK, Kumar P, Halder P, Esht V, Ahamed WM, Singh O, Kakkar R, Kalra S, Goel S. Relationship between tobacco use and body mass index—a propensity score matching analysis of an indian National Survey. *PLoS One*. 2025 May 28;20(5):e0323274. URL: <https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0323274>
24. Das A, Bhandari Y, Singh A, Kishore J, Goel S. Undiagnosed hypertension and its associated factors in India: A rural-urban contrast from the National Family Health Survey (2019–21). *PLoS One*. 2025 May 21;20(5):e0316782. URL: <https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0316782>
25. Nagaria T, Singh N, Verma M, Singh A, Jain K, Verma N, Dengani M, Agrawal S, Singh S, Goel S. Prevalence of HTN and its risk factors among tribal population in Chhattisgarh (India) as per the fifth round of the National Family Health Survey. *PloS one*. 2025 Apr 4;20(4):e0318268. URL: <https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0318268>
26. Khan ZA, Qureshi U, Khan T, Goel S. Change in the prevalence of prehypertension and hypertension among young Indians aged 15–24 years between 2015–16 and 2019–21: Insights from nationally representative surveys. *Plos one*. 2025 Apr 1;20(4):e0319274. URL: <https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0319274>
27. Goel S, Walia D, Rajkhowa P, Goel C. WHO Framework Convention on Tobacco Control Articles 9 and 10 implementation for sustainable tobacco control—a scoping review protocol. *Systematic Reviews*. 2025 Mar 28;14(1):73. URL: <https://link.springer.com/article/10.1186/s13643-025-02822-2>
28. Goel S, Verma M, Mohapatra A, Popovic S. Raising awareness around trends in noncommunicable diseases and their risk factors to promote global prevention and control. *Frontiers in Public Health*. 2025 Jan 28;13:1553630. URL: <https://www.frontiersin.org/research-topics/54951/raising-awareness-around-trends-in-noncommunicable-diseases-and-their-risk-factors-to-promote-global-prevention-and-control/magazine>
29. Sai Sushma K, Kumar S, Gujjarlapudi C, Bodhi Srividya V, Verma M, Nagamani NG, Jothula KY, Jaswal N, Goel S. Unhealthy behaviours associated with uncontrolled hypertension among adults in India—Insights from a national survey. *PloS one*. 2025 Jan 17;20(1):e0310099. URL: <https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0310099>
30. Satapathy SP, Panda SK, Panda PC, Lakra K, Panda SC, Dhawan P, Goel S. Association of tobacco with hypertension in adult females: Evidence from National Family Health Survey-IV for an aspirational Indian state. *Clinical Epidemiology and Global Health*. 2022 May 1;15:101061. URL: [https://www.ceghonline.com/article/S2213-3984\(22\)00103-8/fulltext](https://www.ceghonline.com/article/S2213-3984(22)00103-8/fulltext)
31. Gupta R, Goel S, Bostic C, Bhatt G, Gurung D, Cyril A, Gill OK, Prabhakara P, Singh RJ, Hefler M. Tobacco-free generation: reflecting on progress globally and its potential feasibility in India. URL: <https://tobaccocontrol.bmj.com/content/34/e1/e88>
32. Vennam BS, Kuppli SS, Kumar Bora J, Sahoo SS, Gujjarlapudi C, Bhimarasetty DM, Nerusu GN, Goel S. Socioeconomic and behavioral factors of hypertension among Indian tribal population: Evidence from national family health survey 5. *Plos one*. 2024 Dec 27;19(12):e0312729. URL: <https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0312729>
33. Bhandari Y, Das A, Aditi A, Kishore J, Goel S. Tobacco and alcohol use among lactating women and its association with child nutrition in India: findings from National Family Health Survey 2019–2021. *Public Health*. 2024 Nov 1;236:153–60. URL: <https://www.sciencedirect.com/science/article/pii/S0033350624003159?via%3Dihub>
34. Gupta S, Mal P, Bhadra D, Rajaa S, Goel S. Trend and determinants of tobacco use among Indian males over a 22-year period (1998–2021) using nationally representative data. *Plos one*. 2024 Oct 22;19(10):e0308748. URL: <https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0308748>
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12. Research Grants: - (National and International) 51 (Completed) and 5 (on-going)

a. Research Ongoing

Title	Description (up to 100 words)	Funding Agency	Year of completion
WHO Collaborative Centre for Research and Training in Tobacco Control	The aim of the centre is to build evidence by conducting desk reviews, facilitating regular meetings and focus groups, and thereby strengthening the evidence base and promoting research-informed decision-making on tobacco and areca nut control in the region. By supporting capacity building and research on the prevention and control of tobacco and areca nut use in the SEAR, this Centre can contribute to achieving Sustainable Development Goal 3 (Good Health and Well-being) and the WHO's Global Action Plan for the Prevention and Control of Non-Communicable Diseases.	World Health Organization (WHO)	2030
Advancing Primary Healthcare of Odisha through undertaking capacity building of Community Health Officers (CHOs)	The aim of this project is to enhance primary healthcare delivery by equipping Community Health Officers (CHOs) with advanced skills and competencies through a flexible and comprehensive digital training program. This one-year online certificate course focuses on addressing gaps in the current training framework, enabling CHOs to provide a broader range of healthcare services effectively. By integrating innovative digital learning methods and practical skill development, the program seeks to strengthen primary healthcare systems, reduce dependency on higher-level facilities, and improve overall health outcomes in diverse community settings.	National Health Mission, Odisha	2028
Strengthening National Tobacco Testing Laboratories and Articles 9 and 10 of the World Health Organization's Framework Convention on Tobacco Control in the Indian Subcontinent	The project aims to conduct a SWOT analysis and map existing lab capacities and facilities for tobacco testing. It seeks to identify knowledge gaps, develop a roadmap for action, and build capacity through training and expanding tobacco testing facilities. Determination of Priority parameters (chemical, physical, biological) to be tested in tobacco products and their classification into 'attractiveness', 'addictiveness', and 'toxicity'. It also seeks to provide Scientific Support to develop and validate standard operating procedures (SOP), to implement Good Lab Practices (GLP), Laboratory Information and Management System (LIMS), and create a scientific database to build lab capacity for new tobacco product testing methods.	Ministry of Health and Family Welfare, Government of India	2026
Bolster Tobacco Control in India through capacity building, networking, and partnerships, comprehensive MPOWER implementation and stopping Tobacco Industry Interference (TII) (Phase-02)	The project aims at bolstering tobacco control in India through Capacity building, implementing higher tobacco taxes, fostering networking and partnerships and preventing tobacco industry interferences at national and sub-national level, Further the project aims at strengthening E-Resource Center for Tobacco Control and Tobacco End game hub established in Department of community medicine and school for	Vital Strategies	2028

	public health, to support national tobacco control program in India.		
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b. Research Completed

S. No.	Name of Project	Sponsoring Agency	Funds Received (in Indian Rupees)	Duration
1	Bolster Tobacco Control in India through capacity building, networking, and partnerships, comprehensive MPOWER implementation and stopping Tobacco Industry Interference (TII) (Phase -01)	Vital Strategies	14439551	01 January 2024-31 March 2026
2	Efficacy of shared decision making for tobacco cessation at primary care level – randomized controlled trial	DST-Science & Engineering and Research Board	2260344	5 th July 2022 to 31st May 2025
3	Impact assessment of LaQshaya in Haryana	Haryana State Resource Centre	1186500	06 th December 2022 to 30st December 2023
4	Advancing Tobacco control at National and Sub-National level through capacity building, MPOWER implementation and support to National Tobacco Control Programme (NTCP) (Phase-II)	International Union Against TB and Lung Diseases (The Union)	12,791,280	1st February 2022 to 31 st December 2023
5	Conducting an umbrella review on impact of Electronic Nicotine Delivery system (ENDS) on health and its efficacy and safety on tobacco cessation	World Health Organization	11,00,000	August 2024-December 2024
6	Evaluation of National Tobacco Quitline Services	World Health Organization	26,84,776	23-Sep-2022 to 10-Oct-2023
7	Strengthening Management of Hypertension Services through capacity Building, Media and Communication, and Stakeholders Engagement in the State of Punjab.(Phase II)	Global Health Advocacy Incubator.	32,79,800	October 2019 to September 2021
8	Advancing Tobacco control at National and Sub-National level through capacity building, MPOWER implementation and support to National Tobacco Control Program (NTCP). (Phase II)	International Union Against TB and Lung Diseases (The Union).	1,23,59,000	February 2018 to October 2021
9	Intervention on Behavior of Tobacco Users attending Non Communicable Clinics of Punjab. (Phase II)	State Tobacco Control Cell, Dept. of Health and Family Welfare, Punjab	2,94,000	Jan 2018-December 2021
10	Efficacy of behavioral change intervention package for tobacco cessation in tertiary healthcare setting- Randomized Controlled Trial. (Phase II)	PGIMER Research scheme	4,50,000	Nov 2019-Nov- 2021
11	Strengthening Management of Hypertension Services through capacity Building, Media and Communication, and Stakeholders Engagement in the State of Punjab (Phase-I)	Global Health Advocacy Incubator	29,39,800	2020
12	Advancing Tobacco control at National and Sub-National level through capacity building, MPOWER implementation and support to National Tobacco Control Programme (NTCP) (Phase-I)	International Union Against TB and Lung Diseases (The Union)	1,13,00,000	2020
13	Strengthening Enforcement of Taps ban with focus on point of sale through Tobacco Vendor Licensing in two cities of India.	John Hopkins University, Baltimore	29,26,980	December 2019 to February 2020

14	Intervention on Behavior of Tobacco Users attending Non Communicable Clinics of Punjab (Phase-I)	State Tobacco Control Cell, Punjab	6,00,000	2020
15	Efficacy of behavioral change intervention package for tobacco cessation in tertiary	PGIMER Research scheme	5,00,000	2020
16	Assessment of Compliance to Tobacco Control Legislation (COTPA) in Uttarakhand	State Tobacco Control Cell, Uttarakhand	5, 25,000	March-August 2019
17	Assessment compliance to “Smoke free legislation” in eight districts of Haryana and UT Chandigarh	Generation Savior Association (GSA)- The Union	5, 25,000	December 2018- March 2019
18	Comparative effectiveness of two Mobile based strategies on adherence to IMNCI guidelines for managing children Suffering from Pneumonia, a cluster randomized control trial.	Indian Council of Medical Research (ICMR).	38,16,197	September 2017 to September 2019
19	Scoping study to document evidence on Article 5.3 of FCTC in India-Phase-1 and 2.	International Union Against Tuberculosis and Lung disease (The UNION)	2,08,200	October to December 2017 & September 2018 to March 2019
20	Compliance assessment of Indian tobacco free law (COTPA) in two districts of Haryana	Generation Savior Association	50,000	March 2018
21	Comprehensive Assessment of Cigarette And Other Tobacco Products Act (COTPA) in Bathinda District of Punjab	International Union against Tuberculosis and Lung diseases, New Delhi	40,000	March 2017
22	Comprehensive assessment of cigarette and other tobacco product Act in Ten districts of Punjab.	Generation Savior Association through International Union against TB And Lung Diseases in collaboration with State Tobacco Control Cell, Punjab.	2,23,000	February to March 2016
23	Short term impact of ban on chewable tobacco products and loose cigarette on tobacco consumption behavior of tobacco users in Panjab.	State Health Society, Tobacco Control Cell Panjab and MANT, Kolkata in collaboration with State Tobacco Control Cell, Punjab.	60,000	December 2015 to March 2016
24	Vendor’s compliance to ban on sale of chewable tobacco and loose cigarettes in Punjab.	State Health Society, Tobacco Control Cell Panjab and MANT, Kolkata in collaboration with State Tobacco Control Cell, Punjab.	60,000	December 2015 to March 2016
25	Impact of integrated health program package on health service delivery in Shahzadpur Block, Haryana	PGIMER Research Scheme	2,50,000	April 2014 to March 2016
26	Assessment of approaches and factors in increasing attraction and improving retention of physicians in rural and remote areas of India.	ICMR, New Delhi	30,49,200	June 2014 To May 2016
27	Compliance monitoring of prohibition of smoking in a public place (under COTPA 2003 & its provisions) in three districts (Gurdaspur, Bhatinda and Nawanshahar) in Punjab	Tobacco Control Cell, Punjab	1,30,000	May 2013
28	Evaluation of Maternal and Child Tracking system in Haryana	PGIMER Research Scheme	80,000	April 2013 to March 2015

29	Compliance monitoring of prohibition of smoking in a public place (under COTPA 2003 & its provisions) in five districts (Sri Muktsar Sahib, Hoshiarpur, Kapurthala, Sangrur and Bathinda) in Punjab	Tobacco Control Cell, Punjab	2,50,000	July to September 2013
30	Compliance Monitoring of Prohibition of Smoking in Public Places (under Indian Smoke Free Legislation) in five districts (Patiala, Ferozepur, Faridkot, Fazilka and Jalandhar) of Punjab	Tobacco Control Cell, Punjab	2,50,000	October 2013 to March 2014
31	Assessing Compliance with Smoke-Free Legislation in Ahmadabad, Chennai, Delhi and Mizoram in India	International UNION	8,28,800	November 2012 to July 2014
32	Comparison of the Impact of a Lifestyle Intervention Package on the Salutogenic Potential and Health Promoting Lifestyle of Manipuri and Non-Manipuri University Graduate Students in a North Indian City	Indian Council of Medical Research, New Delhi	14,38,800	April 2011 to March 2013
33	Development of Nehru Hospital, Post Graduate Institute of Medical Education & Research, Chandigarh as a Health Promoting Hospital	World Health Organization, SEARO	7,56,000	April 2011 to December 2011
34	Knowledge and Skills of Health Service Providers and Immunization Programme Assessment in U.T Chandigarh: Is there any impact of immunization trainings	Mission Director, NRHM, U.T Chandigarh	1,76,000	April 2011 to September 2011
35	Evaluation of quality of statistics used in MD/PHD/ MSc theses in PGIMER, Chandigarh	PGIMER Research Scheme	65,000	April 2010 to March 2011
36	Development and Evaluation of Comprehensive Epilepsy Education Programme for Chandigarh City, India	PGIMER Research Scheme	50,000	April 2010 to March 2011
37	Compliance Monitoring of Section 6 of Cigarette and Other Tobacco Products Act in Una district of Himachal Pradesh	International UNION	67,000	4 months (2013)
38	Assessment of Compliance of prohibition of advertisement at 'Point of Sale' as defined under Section-5 of COTPA 2003 and subsequent rules in District Mohali, Punjab	International UNION	74,500	3 months (2013)
39	Assessment of compliance to Section-5 of COTPA in Cinema and Television in Chandigarh.	International UNION	47,500	3 months (2013)
40	Evaluation of <i>Janani Suraksha Yojana</i> Scheme in improving the proportion of institutional delivery in U.T Chandigarh.	PGIMER Research Scheme	50,000	2 years (2012-14)
41	Evaluation of Comprehensive Epilepsy Education Programme for School Teachers in Chandigarh City, India	Mission Director, NRHM, U.T Chandigarh	2,07,339	One year (2012)
42	Compliance monitoring of prohibition of smoking in a public place (under COTPA 2003 & its provisions) in Mansa district, Punjab	Tobacco Control Cell, Punjab	40,000	One month (2012)
43	Compliance monitoring of prohibition of smoking in a public place (under COTPA 2003 & its provisions) in districts Rupnagar and Amritsar, Punjab	Tobacco Control Cell, Punjab	1,00,000	One month (2012)
44	Evaluation of two key strategies under NRHM (Delivery hut Scheme and 24 x 7 ambulance services for promoting institutional deliveries in Haryana.	PGIMER Research Scheme	50,000	2 years (2011-13)
45	Socio-epidemiological Analysis of Recent Plague Outbreaks in India with special focus on Himachal Pradesh	Indian Council of Medical Research, New Delhi	31,89,080	2 years(2011-13)
46	Assessment of effectiveness of <i>Nischay Scheme</i> (provision of pregnancy detection kit) in early detection of pregnancy in State of Haryana	Indian Council of Medical Research, New Delhi	7,32,060	One year (2011-12)
47	Compliance Monitoring of Prohibition of Smoking in a Public Place (under COTPA act) in Mohali, Punjab	International UNION	62,500	One month (2011)
48	Assessment of public opinion of prohibition of smoking at public places at Mohali	International UNION	63,000	One month (2011)

49	Development and Evaluation of Comprehensive Epilepsy Education Programme for Chandigarh City, India	PGIMER Research Scheme	50,000	2 years (2010-12)
50	Measuring Patient Satisfaction about Outpatient Department Services: A Study to Improve Quality of Care at Public Health Facilities	Mission Director, NRHM, U.T Chandigarh	1,10,000	Nine months (2010-11)
51	Improving the Oral Health Status of Preschool Children in Anganwari Settings of Chandigarh	Mission Director, NRHM, U.T Chandigarh	1,36,250	Nine months (2010-11)
52	Mapping Public Health Education Training in India: Institutions & Courses	National Health System Resource Centre, New Delhi	3,00,000	One year (2008-09)
53	Migration and Morbidity Pattern among Residents in Chandigarh Slums	Department of Science and Technology, U.T Chandigarh	7,00,000	2005-2006
54	Impact of first aid training to students on their knowledge and skills	IAPSM epidemiological Grant	15,000	2004-2005