

**Medical Education Commission**  
**National Board of Medical Specialties**

**Self-Appraisal for Specialty and Subspecialty Programmes (2024) (2081/82)**

(This form can be downloaded and sent by email as an attached file. Space in the Form can be adjusted as per the content as required, original documents can be scanned and attached)

- Date of application: 6th September, 2024
- Institutional Information:
  - Full Name of Institution: Sagarmatha Choudhary Eye Hospital (SCEH), Lahan
  - Nature of organization: Non-governmental organization
  - Year of establishment of institution: 1983
  - Accreditation of the Institute affiliated hospital intended for NBMS programme:  
Sagarmatha Choudhary Eye Hospital
  - Accreditation Organization: Government
  - No of beds accredited: 450
- Statement of vision, mission, goal and objectives:
  - Vision/Mission: “To develop and provide high quality, sustainable, comprehensive and affordable eye care service network in the country by identifying and mobilizing local, national and international resources, and to attain multi-sectoral partnership in order to provide eye care services to all segments of population without any discrimination, by maintaining equity, efficiency, and excellence”
  - Goals:  
Reducing the Prevalence of Blindness by providing accessible, affordable, sustainable comprehensive quality services and improving overall quality of life of people with disability and those at risk of disability.
  - Objectives:
    - To generate highly qualified, skilled, and competent healthcare professionals in various disciplines.

- To reduce the burden of deafness and blindness.
- To develop appropriate human resources for service delivery at different levels.
- To make an invisible disability visible.

- Policy on academic independence of the Institute: Complete autonomy
- Measures adopted for Social Accountability: The organization is socially accountable in its functioning. It has been praised for its eco-friendly initiatives. SCEH service is well established both at the center and at the periphery, reaching out to children, women, disabled and marginalized through its doorstep healthcare delivery modality. SCEH makes many charitable contributions. It screens, treats, and habilitates people with much subsidy, if not, for free
- Networking and Recognition: SCEH is one of the key actors in Eye health, Ear and hearing health and education in Nepal. SCEH is also an active member of World Hearing Forum, CBM Global, Orbis India, International Agency for The Prevention of Blindness (IAPB) and Coalition for Global Hearing Health. It has extensive networking. It has partnered with Hospitals, INGO's, NGO's, DPO, Local and provincial governments, various community schools and clubs and is well recognized. It firmly believes in forming a consortium of health institutions for serving the underserved.
- Objectives for NBMS affiliation: To get and continue the NBMS program on Ophthalmology..

Academic Information

SN	Name	Designation	Qualification	Contact Number	Email ID	
1	Head of the Institute	Mr. Rabindra Lal Chaudhary	Chairman	I.A. D	9852831895	rl.chaudhary@erec-p.org
2	Academic Head of the Institute	Dr. Sanjay Kumar	Medical Superintendent	MD Ophthalmology	9842059209	scehdrsanjay.singh@erec-p

		Singh				.org
4	NBMS Coordinator	Dr. Sanjay Kumar Singh	Medical Superintend ent	MD Ophthalmology	984205920 9	scehdrsa njay.sing h@erec-p .org

a. Medical Education Program if running at present (if applicable)

SN	Name of the Course	Level of the Course	Course Duration	Name of University/Board Affiliated/NBMS Program	Student selection Process	Number of Students enrolled annually
1.	Anterior Segment Fellowship	Fellowship	24 months		oral examination	4
2.	Pediatric ophthalmology & strabismus	Fellowship	12 months		oral examination	1

b. Non-Academic Activities of Students: None

c. Individual departmental information of intended NBMS programme proposed and applied for)

S	Name of the	Level	Proposed	Current	No of	No. of
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N	Programme/Course	(Specialty/ Subspecialty)	number of quota	number of student s	Faculties Available	Sanctioned Beds
1	NBMS in Ophthalmology	Specialty	2	0	7	450

d. Faculties present in applied Specialty and Subspecialty programme: ( Please attach the CV and scan copy of Original documents of council registration and Academic qualification of new faculties)

S N	Name of Faculty	Qualification	University/Academia	NMC /Specialty Registration Date and number (NMC/ University/Co mpletion date)	Work Experience From specialty registration	Teaching Experience	Publication Original article+other	Faculty Position (Senior faculty/ Faculty/ J.Faculty)	Faculty Verification Date
1.	Dr. Sanjay Kumar Singh	MD Ophthalmology	BPKIHS/2008	4440/BPKIHS /2008	16	16 years		Senior faculty	-
2.	Dr. Sanjib Kumar Chaudhary	MD Ophthalmology	BPKIHS/2014	8260/BPKIHS /2015	9	9 years			-
3.	Dr. Reena Yadav	MD Ophthalmology	TU/2015	9182/TU/2015	9	7 years		Senior faculty	
4.	Dr. Maheshwor	MD	Fujian Medical	13015/FMU/2	6	4 years		Junior Faculty	

	Chaudhary	Ophthalmology	University, China/2017	018					
5	Dr. Satbodh Shrestha	MS Ophthalmology	KU/2019	12262/KU/201 9	5	3 years		junior faculty	
6.	Dr. Vidisha Gupta	MD Ophthalmology	TU/2019	14697/TU/201 9	5	3 years		junior faculty	
7.	Dr. Diwakar Chaudhary	MM Ophthalmology	Yangtze University/2019	15542/YU/202 0	4	2 yeras		junior faculty	

e. Lecture/Seminar/Auditorium halls

SN	Type	Seating capacity	Number/s	A/V facilities	Furnishing & Spacing	Light & ventilation	Remarks
1	Lecture hall	25	1	smartboard-1 projector-1	fully furnished and spacious	well ventilated and light	
2	Seminar room	50	1	smartboard-1 projector-1	fully furnished and spacious	well ventilated and light	
3	Auditorium	100	1	smartboard-1 projector-1	fully furnished and spacious	well ventilated and light	

Add rows of the table if added information is required.

f. Academic and professional development activities in the hospital

- i. Training: The organization supports and encourages clinicians to participate in CPD, CME, Workshop, Seminars, and Webinars at national and international levels.
- ii. Research Activities: Research is an integral part of SCEH to pioneer innovations and conduct implementation research. The leadership team is committed to expanding the frontiers of knowledge and, more importantly, its application. SCEH has been conducting health research since its inception and promotes scientific study and quality research. It has an internal research committee in place to monitor and supervise research. The organization has already started necessary formalities to form an institutional review committee (IRC) in accordance with Nepal Health Research Council's Guidelines for IRCs for Health Research in Nepal. The list of ongoing research projects from the organization is attached in the annexe.

- iii. Publications/Journal: The list of publications conducted by the organization is in the annex.
- iv. Institutional Review Committee: We have an internal research committee members from different faculties and research departments.

g. Medical education department

**i. Proposed Teaching learning methodology for NBMS Programme:**

The proposed teaching and learning methodology for the NBMS program includes a blend of advanced lectures, focusing on specialized topics in ophthalmology, and clinical case-based learning to promote critical thinking and diagnostic skills through real-world case discussions. Journal clubs will encourage students to critically review recent research papers, fostering an evidence-based approach to practice. Regular seminars will provide opportunities for in-depth discussions on advanced topics and emerging trends. Peripheral postings will expose students to diverse clinical settings, enhancing practical experience across different specialties within ophthalmology. Hands-on workshops will focus on developing procedural skills and staying updated on the latest technologies and techniques. This integrated approach aims to equip students with both academic knowledge and clinical expertise.

- ii. Learning resources available: Besides all clinical infrastructure for Ophthalmology, it boasts a well-equipped library with high-speed internet and journals of interest. Our library is equipped with 10 computers with internet access and Hinari. Journals and back volumes of various specialties are available for reference purposes. We have enough text and reference books for Ophthalmology and other specialties.
- iii. Clinical teaching facilities: This will be provided through existing clinical exposure from outpatient departments (Eye:6, allied clinics), inpatient departments, operation theaters (Eye:2), 4 lecture halls, a rehabilitation center, and skill laboratory.
- iv. Community teaching centers: Besides SCEH hospital there are community-based out-reach services run in coordination with local bodies, local health facilities, community health centers and mobile health camps to facilitate community practices for the students enrolled. We also run primary eye and ear care centers

and surgical centers in Rajbiraj, Sarlahi, Jaleswor & Bardibas and from time to time surgical camps in remote areas like Diktel, Haleshi, Udaypur. These facilities at outreach centers are supported by telemedicine.

- v. Others (e.g. skill labs/IT etc.): Artificial Intelligence supported by tele-health has been applied in prediction models for Tele Ophthalmology. These are an added value to students of the future world.

Hospital information

Name of hospital proposed for NBMS Program: Sagarmatha Choudhary Eye Hospital, NNJS Lahan-03, Siraha

Physical infrastructure available: SCEH hospital has all modern equipment required for Eye and related services, surgeries, procedures, and treatment.

Availability of land: The hospital is spread out on its own land of 24,05,700 sq. meters with one modern building erected in 2022.

Financial status: The hospital is self-sustaining, its operation at present with funds for new equipment, maintenance, research, and outreach activities.

Service Strength: We provide the service at an affordable cost.

### Outpatient Department

SN	Particulars	No. of clinics	Patient number on the day of inspection	No. of cases 1 week before	No. of cases per month
1	Internal Medicine	-	-	-	-
2	General Surgery	-	-	-	-
3	Obstetrics & Gynecology	-	-	-	-
4	Pediatrics	-	-	-	-
5	Orthopedics	-	-	-	-
6	Ophthalmology	10	700-800		18000-20000
7	ENT				
8	Psychiatry				
9	Dermatology				
10	Dental Surgery				
11	GP				
	TOTAL				

Please add rows if more than above specified departments are present.

### Inpatient Department

SN	Particulars	No. of beds	No. of patients (last one week) %	Number of cases in last month	Number of cases on last fiscal year	Remarks
1	Internal Medicine	-	-	-	-	-
2	General Surgery	-	-	-	-	-
3	Obstetrics & Gynecology	-	-	-	-	-
4	Pediatrics	-	-	-	-	-
5	Orthopedics	-	-	-	-	-
6	Ophthalmology	450	80%	3,000	60,000	-

7	ENT					-
8	Psychiatry	-	-	-	-	-
9	Dermatology	-	-	-	-	-
10	Dental Surgery	-	-	-	-	-
11	Post-operative	-	-	-	-	-
12	Emergency	-	-	-	-	-
13	OT cases (Routine)	-	-	-	-	-
14	OT cases (Emergency)	-	-	-	-	-
15	ICU	-	-	-	-	-
16	CCU	-	-	-	-	-
17	NICU	-	-	-	-	-
18	PICU	-	-	-	-	-
	TOTAL	-	-	-	-	-

Please add rows if more than above specified departments are present.

Please comment on the number of operating beds, functional monitors, anesthesia machine, oxygen supply, suction, ventilators, adequate space, and patient feedback about the services.  
(Please list)

Particulars	No. of beds	Ventilators/Anesthesia machine	Monitors	Oxygen supply (central or local)
OT	15	2	2	5
ICU				
CCU	-	-	-	-
NICU	-	-	-	-
PICU	-	-	-	-

Radiology services

Particulars	Capacity/day	No. of machines	Patient number on the day of inspection	Patient number 1 week before	ER service available (Y/N)

				inspection	
X-ray					
Ultrasound					
CT scan	-	-	-	-	-
MRI	-	-	-	-	-
Fluoroscopy	-	-	-	-	-
Mammogram	-	-	-	-	-
TOTAL	-	-	-	-	-

#### Central Laboratory Services

Particulars	Capacity /day	No. of machines	Patient number on the day of inspection	Cases per month/year	ER service available (Y/N)
Hematology	250	2	150	460	N
Biochemistry	190	2	130	320	N
Immunology (Serology)	330	Kit based	250	850	N
Microbiology	45	6	10	200	N
Histopathology	-	-	-	-	-
Cytology	-	-	-	-	-
TOTAL					

Departmental details (mention as Yes or No) (Proposed subjects only)

Department	HOD room	Faculty room	Dept. Library	Faculty name plate/display	Demonstration/ Tutorial room
Internal Medicine	-	-	-	-	-
General Surgery	-	-	-	-	-
Obst. & Gynecology	-	-	-	-	-
Pediatrics	-	-	-	-	-

Department	HOD room	Faculty room	Dept. Library	Faculty name plate/display	Demonstration/ Tutorial room
Orthopedics	-	-	-	-	-
Ophthalmology	1	yes, everyone has their own respective cabin	1	yes	yes
ENT					
Psychiatry	-	-	-	-	-
Dermatology	-	-	-	-	-
Dental Surgery	-	-	-	-	-
Anesthesiology	-	-	-	-	-
Emergency and GP	-	-	-	-	-
Radiology	-	-	-	-	-

List of the available equipment for proposed course/subjects (Separate for each academic course applied for)

- Monitoring and evaluation system in the institution: The organization has a well-structured monitoring and evaluation system. It monitors hospital activity on a daily, weekly, monthly, quarterly, semi-annually and annual basis, which is reflected in its annual activity report. The reports generated are presented to the Hospital management committee and senior management team on a periodic basis, and lessons learned are rectified.
- Government Health Programs/Services Provided: SCEH has been coordinating with local bodies, local health facilities, and community-based health centers to serve marginalized, poor, and hard-to-reach populations. It has served more than 225,168 patients through its community-based services and conducted over 60,000 surgeries in the hospital. We also build the capacity of local health workers and equip health facilities with eye and ENT

equipment.. SCEH has also been established as the first referral point for eye health under the Social Health Security Program (Health Insurance).

- Future Plan: In view of all our existing resources and the prevailing educational needs of the country, we are committed to starting academic programs in various disciplines such as B. Optometry, D. Pharmacy etc. SCEH has been a pioneer in delivering healthcare and education needs and tends to expand its horizons in the academic arena, where there are many gaps and institutional needs. With the above-mentioned educational program, we expect to play a major role in preventing refractive error and contributing significantly to the health and education systems. We sincerely believe our experienced faculty with excellent academic records will pave the way for better healthcare delivery across the nation.

Signature:

Date: 2024/09/06

Name: Mr. Rabindra Lal Chaudhary

Designation: Chairman

Stamp of Institute:

#### **Annex 1**

##### **List of studies ongoing/process of publication**

1. Cluster RCT of a complex intervention package to reduce blindness from severe microbial keratitis in eastern Nepal.

#### **Annex 2**

##### **List of publications**

1. REACH study published in journal of Chitwan Medical College: Prevalance of Refractive Error in school going children of Sunsari districts and Biratnagar Nepal. 2023;13(43):39-43
2. Epidemiology and clinical outcomes of microbial keratitis in South East Nepal: mixed -methods study -BMJ Open Ophthalmology. DOI:10.1136/bmjophth-2022-001031
3. Outcome of Therapeutic penetrating keratoplasty in a tertiary eye hospital in Nepal in Journal of Chitwan Medical College. 2023;(45):33-7
4. Surgical Outcome of Repeat External Dacryocystorhinostomy with or Mitomycin for Previously failed Dacryocystorhinostomy: A comparative study of Eastern Nepal-PMJN. Jun 6-12
5. Dose Choice of Different Surgical Intervention Play a role in the Recurrence Of Pterygium
6. Comparison of sutured verses sutureless scleral fixated intraocular lens at a tertiary eye hospital, Nepal in journal of Chitwan Medical College
7. Phacoemulsification learning curve in first 500 cases, Global Journal of Cataract Surgery and Research in Ophthalmology. Aug 2023:33.DOI:10.25259/GJCSRO-30-2022
8. Reach Study Published in Journal of BP Koirala Institute of Health Sciences (JBPKIHS)
9. Prevalence and Awareness of Diabetic Retinopathy among Known Diabetic Patients Visiting the Sagarmatha Choudhary Eye Hospital, Lahan-PMJN
10. Ocular and Neuro ophthalmic Manifestations Post COVID-19 Infection-Journal of NHRC.2023 Jan-March.21:184-6
11. Knowledge and attitude regarding spectacles among patients visiting Biratnagar Eye Hospital. Nepal Journal of Optometry.2023,1(),pp.37-42