

DIPLOMA IN OPHTHALMIC ASSISTANT

Course Guidelines and Frame work

Eligibility	12 th standard, Sciences subjects
Duration	2 yrs study + 6 months internship
Eye centre	Lists of Equipment attached
No.of Ophthalmic OT	2
External Tie -up	Not required
Maximum student intake	30 students
Medical College	Medical Colleges affiliated to the Tamil Nadu Dr.MGR Medical University can start this course with maximum student intake of 30
Student common room	1
Class room (25 x10 sq.ft)	2
Multimedia	LCD Projector, Computers
Library	500 sq.ft with Internet access
Teaching responsibility	Ophthalmologist – Designated Course Director
Faculty	<p>Full time lectures to be named Ophthalmologists with years experience – 2</p> <p>Part time Lecturers Anaesthetist – 1, Physician – 1, Optometrist – 1</p> <p>Part time tutor B.Sc Nursing or Diploma in Nursing – 1</p>
Training Modality	
1 st year	Theory, Practical and Log Book
2 nd year	Theory, Practical and Log Book
	Examinations
1 st year	Theory only
2 nd year	Theory practicals & viva – External

FEE	
University Affiliation Fee	
Security Deposit	
Inspection fee	
Inspection duration	
Registration University fee	

THE TAMIL NADU DR.MGR MEDICAL UNIVERSITY,
CHENNAI – 600 032-
DIPLOMA IN OPHTHALMIC ASSISTANT
FIRST YEAR

Subject	
Paper – I	Ocular anatomy, Ocular Physiology, Ocular Pharmacology & Microbiology
Paper – II	Ocular diseases I, out patient procedures I, community ophthalmology, Medical records
Paper – III	English (Internal)

EXAMINATION PATTERN FOR DIPLOMA IN OPHTHALMIC
ASSISTANT

FIRST YEAR

Sl.No.	Subejct Title	Internal Assessment		University exam	
		Max	Min	Max	Min
1.	Ocular Anatomy, Ocular Physiology Ocular Pharmacology & Microbiology	50	25	100	50
2.	Ocular Diseases I, Outpatient Procedures I, Community Ophthalmology, Medical records	50	25	100	50
3.	English *	50	25	100	50

*** Internal Examination**

SECOND YEAR

Subject	
Paper – I	Ocular Diseases II, Basic Nursing care, In-Patient procedures
Paper – II	Ophthalmic surgical procedures, Outpatient procedures II, Ocular injuries and emergencies.

SECOND YEAR

**EXAMINATION PATTERN FOR OPHTHALMIC ASSISTANT
PROGRAMME**

S.No.	Subject Title	I A		University Exam		Practical	
		Max	Min	Max	Min	Max	Min
1.	Ocular Diseases II, Basic Nursing care, In-Patient procedures, Maintenance of Records	50	25	100	50	100	50
2.	Ophthalmic Surgical procedures, Outpatient procedures II, Ocular Injuries, Ocular emergencies	50	25`	100	50	100	50

Practical Exam for both papers implemented from August 2018 onwards approved in 54th SAB

General Information

Diploma in Ophthalmic Nursing Assistant

.With whom (Physician/Surgeon) they will work? The ophthalmologist

.What kind of patients / disorders they will be involved in assisting?

.Patients with ocular diseases & refractive errors of all age group

.What kind of work they will do / job description?

OP D	War d	OT
<ul style="list-style-type: none"> History taking Preliminary examination of the eye Checking visual acuity Measuring intraocular pressure Checking Lacrimal Duct Patency Schirmer's test Assessing Vital signs (Pulse, BP, temperature, respiration rate etc.) Bandage tying and untying Measuring blood sugar Dressing preparation Dressing bin packing 	<ul style="list-style-type: none"> Bed making Checking visual acuity Pre-operative preparation Setting up the trolley for ward rounds Post-operative care of patients Measuring intraocular pressure Checking Lacrimal Duct Patency Assessing Vital signs (Pulse, BP, temperature, respiration rate etc.) Dressing preparation Dressing bin packing 	<ul style="list-style-type: none"> Prepping the eye Preparing dressing Handling sharps, sterile supplies for surgery Applying topical anesthesia for surgery Checking vital signs - temperature, pulse, respiratory rate, blood pressure Trolley set up for various types of surgery (Cataracts, Glaucoma, Cornea, Paediatric, Retina, Orbit etc.,) Handling equipment & instruments Draping and application of suture Writing intra-operative notes Doing ultrasonic cleaning of instruments Bin packing

<ul style="list-style-type: none"> • Irrigating the eye • Dilating the pupil and checking • Handling sharps • Recording ECG • Cleaning the eye for post-op patients • Counseling of post-op medicines <p>Assisting the ophthalmologist in examining the patient and in their treatment</p>	<ul style="list-style-type: none"> • Bandaging and untying • Measuring blood sugar • Dilating the pupil and checking • Handling sharps • Recording ECG • Counseling of post-op medicines <p>Assisting the ophthalmologist in examining the patient and in their treatment</p>	<ul style="list-style-type: none"> • Sterilizing of instruments Using autoclaves • Gas sterilization • Cleaning and sterilizing of operation theatre (fumigation) <p>Assisting the ophthalmologist in various surgeries and in administering anesthesia</p>

4. What skills they should have and activities they will perform on their own?

- . Eliciting history of the ocular complaints , usage of medications, operations and other medical complaints from the patients
- . To do preliminary examination of the eye and recording the observations
- . Use Snellen's chart to assess the visual acuity of the patient
- . Use both contact & non-contact tonometer to measure intraocular pressure (IOP)
- . Check the lacrimal duct patency and record the results of the investigation
- . Measure the pulse and respiration rate of the patient
- . Use a thermometer or a digital thermometer to measure temperature
- . Use a sphygmomanometer & stethoscope to measure blood pressure of the patient
- Use a glucometer to measure blood sugar
- . Use Schirmer's strip to assess the severity of dry eye
- Use the ECG device to record an electrocardiogram of the patient

- .Prepare dressing materials (wiper, eye-pad and bandage)
- .To tie a bandage for eye and untie it
- .Bin packing of the dressing materials for sterilization
- .Irrigate the eye to wash cornea and conjunctiva
- .Dilate the pupil using dilating eye drops
- .Clean the eye before and after surgery
- .Handle sharps (blades , knives, needles) carefully and dispose them properly after use
- .Make the patient comfortable by proper bed making
- .Prepare the patient for surgery
- .Take care of the patient after surgery
- .Set up trolley for ward rounds and for various surgeries in the OT
- .Handle different instruments and equipment in OT during surgery
- .Prepare the correct eye for surgery
- .Drape the patient for surgery
- .Give topical anesthesia before surgery
- .Clean the instruments in the theater by ultrasonic cleaning
- .Sterilize materials and instruments by using autoclave, Ethylene oxide and other means
- .Disinfect the OT by fumigation
- .Do the packing for gas sterilization
- .Function as the scrubbing and circulating nurse

.5.What knowledge / Theory they should have to perform the above activities?

OPD & Ward	OT	
<ul style="list-style-type: none"> • Anatomy and Physiology of the 	<ul style="list-style-type: none"> • Basic knowledge of suture, lenses 	
<ul style="list-style-type: none"> • eye 	<ul style="list-style-type: none"> • and needles 	
<ul style="list-style-type: none"> • Basic microbiology 	<ul style="list-style-type: none"> • Basic knowledge 	of different
<ul style="list-style-type: none"> • Ocular Pharmacology 	<ul style="list-style-type: none"> • instruments used 	
<ul style="list-style-type: none"> • Ocular diseases 	<ul style="list-style-type: none"> • Theatre Management 	
<ul style="list-style-type: none"> • Instruments and equipment 	<ul style="list-style-type: none"> • Introduction to 	Ocular and
<ul style="list-style-type: none"> • Investigation procedures • Vital signs • Disinfection and Sterilization • procedures • Systemic diseases • Maintenance of medical records 	<ul style="list-style-type: none"> • general anesthesia • Steps in minor surgeries • Steps in various types of surgeries • Difference between Septic and Aseptic process • Different types of sterilization 	
<ul style="list-style-type: none"> • Community ophthalmology 	<ul style="list-style-type: none"> • Aseptic protocols 	

.6.What communication skills they should have?

- .Properly read the details in the medical record and check the identity of the patient, the investigations done and the results
- .Communicate clearly to the patient for history taking and record the findings properly
- .Explain clearly to the patient , the details given in the medical prescription
- .Give adequate information about the various diseases
- .Effectively counsel the importance of follow-up and review
- .Explain the after effects of an eye drop/ointment before administering
- .Explain clearly the procedures or investigations to be done
- .Give apt answers to patients' queries

SYLLABI FOR THE VARIOUS PAPERS

Year 1

Paper 1

Ocular Anatomy, Ocular Physiology, Ocular Pharmacology & Microbiology Hours: 60 Max: 100

Each unit 20 marks

Objectives :

The trainee will be able to

- .Understand the anatomy of the different parts of the eye and the diseases affecting them
- .Understand the physiological activities of the different parts of the eye and how to assess them
- .Identify the different ocular medicines and understand their uses and method of application
- .Know the various microorganisms causing infection and the types of infection caused
- .Understand the different infection control methods and principles of asepsis and sterilization

Unit I: Ocular anatomy I

Specific objectives:

- .To have a knowledge of ocular anatomy
- .To understand the various structures in the eye
- .Common diseases affecting them

Gross anatomy of the eyeball - the conjunctiva - the cornea- the sclera - the limbus - angle of the anterior chamber - the iris and pupil - the ciliary body - the choroid - the crystalline lens - chambers of the eye

Unit II: Ocular anatomy II

Specific objectives:

- .To have a knowledge of ocular anatomy
- .To understand the various structures in the eye
- .Common diseases affecting them

The retina - Vitreous - Optic Nerve - Visual pathway - the extra ocular muscles - the eyelids - the lacrimal apparatus - the bony orbit - blood supply of the eye - nerve supply of the eye

Unit III: Ocular physiology:

Specific objectives:

- .To know the basics of ocular physiology
- .To understand the function of various structures in the eye.
- .Common tests to assess the ocular functions

The cornea - the lens - tears -the Schirmer's test- the aqueous humor - measurement of IOP - assessment of visual acuity - visual perceptions -colour vision - the visual pathway - pupillary pathways and reflexes - accommodation -ocular movements-binocular single vision

Unit IV: Ocular pharmacology

Specific objectives:

- .To know about the ophthalmic medications
- .To know the actions and adverse effects of drugs.
- .To monitor the patients after the administration of drugs

Drug delivery system - astringents and decongestants - antibiotics - antivirals - antifungals - autonomic drugs - mydriatics and cycloplegics - local anesthetics - ocular hypotensives - corticosteroids - non steroidal anti-inflammatory drugs - viscoelastic substances - ocular reactions to systemic medications -preservatives in eye drops

Unit V: Microbiology

Specific objectives:

- .To discuss the characteristics of microorganisms including bacterial, viral and fungal infections.
- .To discuss the measures to control the spread of micro organisms

Bacteria-classification of bacteria-Gram positive & negative cocci-Gram positive and negative bacilli -fungi - viruses - parasites - smear preparation - gram-staining procedure - sterilization, disinfection and antisepsis - dry heat - moist heat - autoclave - gas sterilization - chemical sterilization - important principles of asepsis

Paper 2

Ocular diseases I, Outpatient procedures I, Community ophthalmology, Medical records Hours: 80

Each unit 20 marks
General objectives

- .To have knowledge of the various ocular diseases and disorders affecting the anterior segment of the eye and lids.
- .To know about the signs and symptoms of various ocular diseases.
- .To know the various treatment modalities
- To understand the common outpatient(OP) procedures
- To learn how to assist the surgeons in OP Procedures
- .To understand the basics of medical records
- .To know the basics of community ophthalmology

Unit I Diseases of the eyelid, conjunctiva and diseases of the lacrimal apparatus

Specific objectives:

- .To discuss the various diseases and disorders of the lid and conjunctiva
- .To know about the signs and symptoms of various diseases and disorders of the lid and conjunctiva
- .To know the various treatment modalities

Lids: Entropion- ectropion - trichiasis - ptosis - blepharitis - hordeolum - chalazion - important tumors

Conjunctiva: Different types of conjunctivitis - trachoma - Pterygium - Pingaecula - Bitot's spots

Lacrimal apparatus: Dacryoadenitis - the dry eye syndrome - watering from the eye - dacryocystitis

Unit II: Diseases of the cornea and lens

Specific objectives:

- .To discuss the various diseases and disorders of the cornea and , lens
- .To know about the signs and symptoms of various diseases and disorders of the cornea and lens
- .To know the various treatment modalities

Cornea : Inflammation of the cornea - bacterial keratitis - mycotic keratitis - fungal keratitis - viral keratitis - peripheral keratitis - interstitial keratitis - corneal dystrophies- scleritis-Episcleritis **Lens:** Cataract - subluxation of the lens - dislocation of the lens - Management of cataract - Intraocular lenses - Posterior capsular opacification

Unit III: Out-patient services I Specific objectives:

To know the basic functions of outpatient department
To understand the preliminary examinations done in OPD

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Orientation to out-patient services: patient reception - instrument, equipment and supplies - communication with patients - departmental structure and function

Fundamentals of outpatient services: History taking - external examination of the eye -visual acuity
- measuring intraocular pressure - evaluation of the patency of lacrimal drainage apparatus

Management strategies in out-patient services: public relations- Patient care and patient satisfaction - patient counselling

Unit IV Out-patient services II

- To know various equipments and diagnostic procedures conducted in the OPD.
- To discuss treatment modalities and management procedures for different ocular conditions

Equipments; Snellens vision chart, Autorefractor, Slit lamp, Gonioscope, Tonometers, ophthalmoscopes, common lenses used in diagnostics (20 D, 78 D, 90 D lenses)

Assisting in out-patient procedures: Assisting in slit lamp examination - assisting in Fluorescein staining - assisting in corneo-scleral suture removal - Eversion of eyelid - Assisting in foreign body removal -- Irrigation of the eye - Eye patches and bandages

Unit V Community ophthalmology and medical records Community ophthalmology

Specific objectives:

- .To understand the different categories of visual impairment
- .To understand the different methods of intervention
- .To appreciate the need for eye donation
- .To know the basics of organizing eye camps

Blindness - categories of visual impairment -Magnitude - Various diseases causing blindness - methods of intervention -nutritional blindness - National program for control of blindness - vision 2020 - the right to sight initiative - human resource development - role of camps in blindness prevention- role of eyebanks in blindness prevention

Medical records:

Specific objectives :

- .To know the use and importance of medical records
- .To be familiar with different types of medical records
- .To understand the filing methods and preservation of medical records

Introduction to Medical Records; - use and value of for medical record - content of medical records- out patient record, inpatient admission record- filing methods- preservation of medical records- medical record retention policy

Paper 3

FUNCTIONAL ENGLISH Hours: 30

Each unit 20 marks

General objectives:

Max : 100

- To improve comprehensive and writing skills in English to discuss about effective communication skills to prevent barriers in communication.

Unit I:Grammar in usage

Verbs, tenses, propositions, phrasal words, components of a sentence, positive and negative statements- interrogative statements - parts of speech, transformation and synthesis of sentences, voice, common errors and how to avoid them

Unit II: Communication skills

Essentials of good communication- barriers of communication - overcoming communication barriers

- principles of communication -7cs- types of communication

Unit III: Oral communication

Importance of speaking efficiently -voice culture - preparation of speech - secrets of good delivery - audience psychology - presentation skills -non-verbal communication - interview techniques - skill in arguing

Unit IV: Spoken English & reading

The phonetic symbols- using the dictionary for learning to pronounce - explaining clearly, defining and giving reasons, explaining differences - efficient and fast reading - reading purposefully - understanding what is read - drawing conclusion - improving speed - improving concentration

UNIT V: Written communication

Rules for effective writing - précis writing - letter writing - writing curriculum vitae - placing an order - preparing a good report - note taking - reporting what happened from notes

Year 2

Paper 1

OCULAR DISEASES II , BASIC NURSING CARE, IN -PATIENT PROCEDURES

Max: 100

Hours: 80

Each unit 20 marks

General objectives

- .Knowledge of the various ocular diseases and disorders affecting the posterior segment, glaucoma, visual pathway, orbit and the various nerves supplying the ocular structures.
- .To know about the signs and symptoms of various ocular diseases.
- .To know the various treatment modalities
- .To understand management of inpatients and related problems

- .To discuss the various diseases and disorders of the uvea
- .To know about the signs and symptoms of various diseases and disorders of the uvea
- .To know the signs and symptoms of different types of glaucoma
- .To know the various treatment modalities

Uvea: Anterior uveitis - parsplanitis - posterior uveitis - AIDS - endophthalmitis- panophthalmitis **Glaucoma:** Intraocular pressure - congenital glaucoma - primary angle closure glaucoma - primary open-angle glaucoma - lens induced glaucomas - secondary glaucomas

Specific objectives:

- To discuss the various diseases and disorders of the retina, vitreous and optic nerve
- To know about the signs and symptoms of various diseases and disorders of the retina and optic nerve
- To know the various treatment modalities

Retina: Vascular disorders - age-related macular degeneration - retinitis pigmentosa - retinal detachment - hypertensive retinopathy - diabetic retinopathy - treatment **Vitreous:** vitreous opacities - vitreous haemorrhage - vitrectomy

UNIT III : Neuro ophthalmology, Intraocular tumors, diseases of the orbit,

Specific objectives:

- To discuss the various diseases and disorders of the orbit and lacrimal apparatus
- To know about the signs and symptoms of various disorders of the orbit and lacrimal apparatus
- To discuss the various types of intraocular tumors
- To know the various treatment modalities

Tumours: Leucocoria in children - retinoblastoma- melanoma of the choroid

Orbit: Proptosis - orbital inflammation - thyroid ophthalmopathy - optic nerve tumours - Injuries

Neuro ophthalmology: optic neuritis - Papilloedema - optic atrophy - common diseases affecting chiasma - visual pathway - Occipital cortex - common diseases affecting oculomotor nerve, Trochlear nerve, Trigeminal nerve, Abducent nerve and facial nerve.

IV: Basic Nursing care

Specific objectives:

- .To know about the ward practices.
- .To discuss pre and postoperative care given to the respective patients.
- .To manage various kind of situations in the health care

In-patient and services: Differences between eye-ward and general ward- location and work

Working environment in ward -instruments and equipment in ward

Needs of patients and principles of nursing care: Basic nursing principles- safe and healthy environment - care of equipment -- personal care of the patient - nutrition needs of the patient - assessment of general condition - recording of pulse - Blood pressure - Respiration rate - ECG - height - weight etc.,

Admission and discharge of patients: Admission procedure - arrangement of patient's room- bed making, housekeeping - discharge procedure

Preoperative ophthalmic care: preoperative evaluation -preoperative preparation and instructions - day care surgery procedure - Biometry-

Unit V : In-patient services

Specific objectives:

- .To know about the ward practices.
- .To discuss pre and postoperative care given to the respective patients.
- .To manage various kind of situations in the health care

Postoperative ophthalmic nursing care: preparation of dressing – assisting doctors in ward rounds – Identification and management of postoperative complications – night duty -post operative patient counseling

Ophthalmic sub specialty nursing care – glaucoma – retina, cornea- orbit – pediatric cases

Managing systemic conditions: asthma- diabetes mellitus - hypertension – Ischaemic cardiac ailments – shock

Management of systemic emergencies: Equipments and structure of ICU - acute myocardial infarction – cardiac arrest – Status asthmaticus - hypoglycemia – seizures – acute pulmonary edema – shock

Paper 2

Ophthalmic surgical procedures, outpatient procedures II, ocular injuries and emergencies,

Max: 100

Hours: 80

Each unit 20 marks

General objectives:

- To understand the various surgical and ocular related complications
- To understand the various OP procedures
- To learn how to assist the surgeons in the operating room and in OP Procedures

OPHTHALMIC SURGICAL PROCEDURES

Specific objectives:

- .To know about do's and don'ts in the OT including aseptic techniques
- .To know sterilization, disinfection and microbiological surveillance of OT.
- .To understand the various steps of surgical procedures and assisting for various surgical procedures

Unit I: Surgical procedures I

Orientation to Operation Theater: To understand - orientation to septic operation theatre relocation- dress code - operation theatre discipline- aseptic theatre

Disinfection and sterilization procedures : instrument cleaning and packing for sterilization- methods of sterilization - sterilization of phaco emulsification instruments - maintenance of sterility

- control of air-borne infection - decontamination process -scrubbing, gowning and gloving methods

- operation theater cleaning - infection control: sources of infection- infection - control programme-segregation and methods of waste disposal- bio-waste management

Unit II :Surgical procedures II

Instrument and equipment maintenance:Electrical connections - microscopes - phaco machine - surgical instruments

Role of Scrub Nurse:Setting up of trolley for various surgeries,-Identification of the Instruments and its use -draping the patient -handling of instruments, management of intra operative complication, Anterior vitrectomy, management of infected cases, Instruments for different surgeries

Ocular anesthesia - drugs, purpose, procedure,contra indications-complications of retro bulbar anesthesia -facial nerve block - topical anesthesia,- general emergency in operation theatre

General anesthesia -Introduction about general anesthesia -purpose of general anesthesia, indication of general anesthesia , pre-operative preparation-history ,investigation- equipment used for general anesthesia-patient counseling, pre-operative case sheet checking -assisting doctors

Basic knowledge of sutures, needles and lenses: - sutures and needles - intraocular lenses

Unit III Surgical procedures III

Role of ophthalmic assistant in cataract surgery: Cataract - pre-operative evaluation - types of surgery - steps of surgery - assisting - instrument s required - cataract surgery complications

Role of ophthalmic assistant in assisting specialty surgeries: Lacrimal sac surgeries - (DCR, DCT)

- Glaucoma surgeries,Trabeculectomy, Trabeculectomy with ECCE), Keratoplasty, Orbital surgeries - assisting

OUT PATIENT PROCEDURES II

Specific objectives:

- .To know various diagnostic procedures conducted in the OPD.
- .To discuss treatment modalities and management procedures for different ocular conditions.
- .To know how to assist surgeons in various investigations and procedures

Unit IV: Out-patient services

Laser in ophthalmology - fundus fluorescein angiography - ultrasonography in ophthalmology - ultrasound bio microscopy - corneal topography - optical coherence tomography

Assisting in special procedures: corneal scraping - fundus fluorescein angiography - ultrasonography -corneal topography - assisting in incision and drainage of abscesses - assisting in fitting a prosthetic eye - laser capsulotomy - NdYag peripheral iridotomy

Unit v:Ocular injuries and ocular emergencies

Specific objectives:

- .To know about the emergency care
- .To identify the ophthalmic emergencies
- .To identify different types of injuries
- .To give timely intervention and care

Ocular injuries : Chemical injuries (Acid, Alkali) -Penetrating injury / perforating injury,-foreign body - blunt injuries-

Ocular emergencies: Corneal emergencies - postoperative emergencies - Endophthalmitis - retinal emergencies - traumatic optic neuropathy-acute congestive glaucoma - immediate treatment measures-

Suggested mode of teaching for all courses

- .Lectures
- .Skill sessions
- .Hands-on practice
- .Power point presentations
- .Assignments

.Suggested activities for Evaluation

- .Written examinations
- .Skill assessment
- .Viva examinations
- .Seminar by the students

Skill development

Ward

- .Aseptic Technique
- .Reading& understanding a medical record
- .Assessment of blood glucose
- .Temperature
- .Pulse & Respiration
- .Blood Pressure
- .Trolley set up: (Cataract, Glaucoma & corneal ulcer)
- .Bandage Tying & Untying
- .Case presentation of post -operative patients
- .Dressing preparation

OP

- .Tonometer : Cleaning and Sterilization
- .Measurement of IOP using Schiottz tonometer
- .Measurement of vital signs
- .Testing Lacrimal Duct Patency
- .Urine Test
- .Handling the Glucometer & Strip position checking
- .Bandage tying and untying
- .Dressing preparation
- .Checking Visual acuity
- .Field testing
- 21.ECG Recording

OT

- .Aseptic techniques
- .Trolley set up (Cataract & glaucoma)
- .Draping the patient and application of speculum & Bridle sutures
- .Cleaning and Sterilization of instruments
- .Utilization of sterile items (Medicine, IOL, suture)
- .Assisting the doctors in various surgeries and OP procedures

Internal assessment:

- .Theory (20)
- .Log Book (10)
- .Practical (20)

OUTCOME OF THE COURSE

After the completion of the course, the trainees will be able to

- .Read and understand medical records
- .Measure vision, IOP, lacrimal duct patency, and vital signs
- .Do examination of the eye, assess pupillary reflex and record the details
- .Assist the Ophthalmologist in the outpatient and ward sections
- .Identify ocular emergencies
- .Instill eye drops
- .Irrigate the eye
- .Bandage tying and untying
- .Tonometer cleaning and sterilization
- .Handle glucometer and test urine sugar
- .Assist in corneal scraping
- .Prepare trolley for various procedures and surgeries
- .Drape the patient and apply bridle suture to secure the eye ball
- .Assist the surgeon during different types of surgeries
- .Sterilization of instruments
- .Identify post-operative complications
- .Assist the ophthalmologists in the postoperative care
- .Case presentation of postoperative patients
- .Provide counseling and support for the patients
- .Write intra operative notes
- .Carry out the treatment instructions given by the ophthalmologists for in-patients and manage the wards.

Reference Books

- .Samar K. Basak, Essentials of ophthalmology , Current Books International,5th edition**
- .A. Samuel Gnanadoss, Ophthalmic Nursing, JAYPEE,**
- .Handbook for clinical ophthalmic assistants,Aravind eye care system**
- .Hand book for surgical ophthalmic assistant, Aravind eye care system**
- .Introduction to basics in ophthalmic assisting, Aravind eye care system**
- .Ophthalmic Nursing Manual, Aravind eye care system**

Postings for 6 months Internship:-

OT & Ward	- 1 month
Cataract work up	- 1 month
Community Ophthalmology	- 1 month
Glaucoma & Perimetry	- 15 days
FFA & OCT	- 15 days
Retina & Electrodiagnostic	- 15 days
Cornea, Eye Bank, Refractive Surgery	- 15 days
Paediatric Ophthalmology	- 15 days
Oculopalasty	- 15 days