

Model Program Book



SEMESTER INTERNSHIP

Designed & Developed by



**ANDHRA PRADESH
STATE COUNCIL OF HIGHER EDUCATION**

(A STATUTORY BODY OF GOVERNMENT OF ANDHRA PRADESH)

SEMISTER INTERNSHIP

Name of the Student :- NAKKERLA SANDHYA

Name of the college :- GOVERNMENT DEGREE COLLEGE (MEN)

Registration number :- 2622001056021

Period of Internship :- From : 07-12-2022 To : 18-03-23

Name and Address of the Intern Organization :- GOVERNMENT GENERAL
HOSPITAL (GGH) SRIRAKULAM

DR. B-R. AMBEDKAR UNIVERSITY (SRIRAKULAM) University

YEAR

19/3/23

An Internship Report on

MEDICAL FIELD

(Title of the Semester Internship Program)

Submitted in accordance with the requirement for the degree of

III CBM13

Under the Faculty Guideship of

D. RAVINDRA

(Name of the Faculty Guide)

Department of

~~Dr. RAJ~~ GOVERNMENT DEGREE (M) SRIKAKULAM

(Name of the College)

Submitted by:

NAKKERLA SANDHYA

(Name of the Student)

Reg.No: 2022001056021

Department of GOVERNMENT

DEGREE COLLEGE (M) SRIKAKULAM

(Name of the College)

Student's Declaration

I, NALLKELA SANDHYA a student of B.Sc. IIIrd year
Program, Reg. No. 208800056021 of the Department of CBMB iGDC(MEN)
College do hereby declare that I have completed the mandatory internship
from 07-12-22 to 18-03-23 in GOV. GENERAL HOSPITAL (Name of
the intern organization) under the Faculty Guideship of
D. PAVINDRA SIR (Name of the Faculty Guide), Department of
BOTANY, GOV. DEGREE COLLEGE (MEN) SITKALAM.
(Name of the College)

N. Sandhya.
(Signature and Date)

Official Certification

This is to certify that NALLERLA SANDHYA (Name of the student) Reg. No. 20220001056021 has completed his/her Internship in G.G.H (SKM) (Name of the Intern Organization) on MEDICAL (Title of the Internship) under my supervision as a part of partial fulfillment of the requirement for the Degree of II CBMB in the Department of GOVT-DEGREE COLLEGE (MEN) (Name of the College).

This is accepted for evaluation.

D. Ravi

(Signatory with Round Seal)

Govt. Degree College
SRIKAKULAM

Endorsements

D. Ravi

Faculty Guide

[Signature]

Head of the Department

[Signature]

Principal

PRINCIPAL
Government Degree College (Men)
SRIKAKULAM

19/7/23
[Signature]

Certificate from Intern Organization

This is to certify that NAKKEPLA - SANDHYA (Name of the intern)
Reg. No 2022001056021 of GDC-MEN (SKLM) (Name of the
College) underwent internship in GGH (SKLM), PIMS (Name of the
Intern Organization) from 07-12-22 to 18-03-23

The overall performance of the intern during his/her internship is found to be
Satisfactory (Satisfactory/Not Satisfactory).

Dr. K. SARADAMBRA, M.D.
Professor & Head
Department of
General Medicine
Govt. General Hospital
Authorized Signatory with Date and Seal
16/3/2023
SARADAMBRA 002001

Prof. Dr. 19/3/23

Acknowledgements

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We are grateful ~~to~~ thankful to Sir B. Mohan Rao Co-ordinator for internship for his continuous coordination and communication with students.

We are grateful to D. Ravindra Sir lecturer in Botany, class mentor for his continuous supporting, monitoring for the entire internship.

IMO Assistant professors, HOD and lab technicians of GCH, thank you so much for giving the opportunity to complete my internship at GCH.

I have learnt so much and appreciate the time you spent leading my new skills and useful medical tests.

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CHAPTER 1: EXECUTIVE SUMMARY

The internship report shall have a brief executive summary. It shall include five or more Learning Objectives and Outcomes achieved, a brief description of the sector of business and intern organization and summary of all the activities done by the intern during the period.

The internship organization allotted for me is Government General Hospital Srikakulam and the allotted work area is in medical department.

I have introduced myself to the staff of the internship organization.

In the medical department various laboratories are involved to test different types of diseases. The samples collected from the patients are mainly from their blood, ~~pus~~, urine etc.

The collected samples were then given to the respected lab tests by the doctor. The doctor suggests these lab tests used based on the condition and symptoms, developed by the patient.

I have learned how to gain the patients' trust during their blood sample collection. I have learned to differentiate the used lab waste during their disposal. I have also learned many lab techniques which are very useful for a lab worker. I have gained a lot of knowledge during this internship.

During the period of internship, I have also learned the communication skills used by the staff during their work. They usually use shortcut words for the diseases and test method names.

I have learned many lab techniques used to determine the type of disease and microorganisms present in the patient.

CHAPTER 2: OVERVIEW OF THE ORGANIZATION

Suggestive contents

- A. Introduction of the Organization
- B. Vision, Mission, and Values of the Organization
- C. Policy of the Organization, in relation to the intern role
- D. Organizational Structure
- E. Roles and responsibilities of the employees in which the intern is placed.
- F. Performance of the Organization in terms of turnover, profits, market reach and market value.
- G. Future Plans of the Organization.

The internship organization that I had been worked in government General Hospital (G.H). Srikakulam. It is a Govt. Hospital in Srikakulam district.

This is a Government hospital and the mission is to serve the poor with medical support for free of cost. There are many types of lab, are present in the hospital which are important to determine the types of disease, and microorganism present in the patient's body. I had been allotted in some of the labs in the hospital to learn about the test they perform.

The organization is a government hospital and is fully functional for emergency response and other basic treatment.

The employees in the organization were polite and they are highly trained, they are very good at communicating with the intern and they play a good role in their work with intern.

Although it is an government body it doesnot generate any revenue.

CHAPTER 3: INTERNSHIP PART

Description of the Activities/Responsibilities in the Intern Organization during Internship, which shall include - details of working conditions, weekly work schedule, equipment used, and tasks performed. This part could end by reflecting on what kind of skills the intern acquired.

I worked in GCH Hospital, Srikakulam in the department of medical. I worked in the lab. I did many tests like PCR, Electrolysis and total blood count and Haemoglobin.

In the lab, they are two sectors of departments are held they are Biochemistry and Culture and they were many machines with high sophisticated techniques and tools are there for conducting various tests for patients very accurately.

I did many tests with full of alertness and with full of self-being during collection of blood samples and in urine tests.

I conducted many tests like blood group determination etc. under the supervision of my sir & madam.

Due to this, by doing internship I experience a different type of knowledge, and practical knowledge regarding the intern organization.

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ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	we went to the serology lab and observed the tests done in the lab.	I have learned the usage of lab equipment.	
Day -2	we went to the serology lab and observed the tests done in the lab.	I have learned the usage of lab equipment.	
Day -3	we went to the serology lab and observed the tests done in the lab.	I have learned the usage of lab equipments	
Day -4	we went to the serology lab and observed the tests done in the lab	I have observed the H.C.V (Hepatitis C. virus test)	
Day -5	we went to the serology lab and observed the tests done in the lab.	I have observed the H.C.V test	
Day -6	we went to the serology lab and observed the tests done in the lab	I have observed the H.C.V test	

WEEKLY REPORT

WEEK - 1 (From Dt..... to Dt.....)

Objective of the Activity Done:

Detailed Report:

In this week, I was allotted in the Serology department. It was a polite meeting with the staff in the lab. The first three days in the lab we observed the lab equipment which are used to perform various tests.

We observe the centrifuge, refrigerator and other instruments like micropipette, test-tubes, buretes, flasks and other glassware etc. And the last three days in the week, we observed the test procedure of H.C.V (Hepatitis C. virus) test in the Serology lab. This test is used for initial screening of hepatitis. The test performed by enzyme immunoassays, which detect the presence of hepatitis C- antibodies in the serum. The serum is separated from blood by the process centrifugation.

In the intern organization, they use a rapid diagnostic test for HCV for qualitative detection of the antibodies specific to HCV simultaneously in human serum (or plasma).

ACTIVITY LOG FOR THE SECOND WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	we went to the Serology lab and observed the tests done in the lab.	I have, the observed the malaria test	
Day -2	we went to the Serology lab and observed the tests done in the lab	I have observed the malaria test	
Day -3	we went to the Serology lab and observed the tests done in the lab	I have observed the malaria test	
Day -4	we went to the Serology lab and observed the tests done in the lab	I have observed the malaria test	
Day -5	we went to the Serology lab and observed the tests done in the lab	I have observed the malaria test	
Day -6	we went to the Serology lab and observed the tests done in the lab	I have observed the C.R.P. reactive [Protein test]	

WEEKLY REPORT

WEEK - 2 (From Dt..... to Dt.....)

Objective of the Activity Done:

Detailed Report:

In this week, I was allotted in the serology department.
In this week we observed two tests.

1. malaria test

2. C.R.P test

* In the intern organization they use malaria Pf1k Antigen, it is a rapid in vitro diagnostic test for qualitative detection and differentiation of plasmodium falciparum and Plasmodium vivax antigen in human whole blood. malaria is a serious disease caused by a parasite. Parasite that cause malaria are passed to human through the bite of infected mosquitoes. It is common in tropical and subtropical areas. So malaria tests are regularly conducted in the laboratories in organization.

CRP test is a C-reactive protein test measures the level of C-reactive protein in a sample of your blood. Liver produces C-RP. CRP test show whether one can have inflammation in their body, if it is how much it is.

* These are the two tests, which were observed and conducted in this week.

ACTIVITY LOG FOR THE THIRD WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	we went to the serology lab and observed the tests done in the lab	I have observed the C.R.P. test	
Day -2	we went to the Serology lab, observed the tests done in the lab	I have observed the CRP test	
Day -3	we went to the serology lab and observed the tests done in the lab	I have observed the CRP test	
Day -4	we went to the serology lab and observed the tests done in the lab	I have observed HBsAg [Hepatitis B surface antigen] test	
Day -5	we went to the serology lab and observed the tests done in the lab	I have observed the HBsAg test	
Day -6	we went to the serology lab and observed the tests done in the lab	I have observed the HBsAg test	

WEEKLY REPORT

WEEK - 3 (From Dt..... to Dt.....)

Objective of the Activity Done:

Detailed Report:

In this entire third week, I have observed the c.r.p test and the next last three days observed the HBsAg test. As we observed the c.r.p test in the last week. So, we observed the same test in the first three days. And later we observed another test named - HBsAg test (Hepatitis - B surface antigen) is a rapid *in vitro* diagnostic test for qualitative detection of Hepatitis-B surface antigen in human serum (or) plasma. It's a viral infection that attacks the liver.

* Hepatitis - B - Surface antigen (HBsAg test)

* In the intern organization they also provide free medicine and free vaccines for this infection. We observed many activities in the laboratory like cleaning the lab, making record of the test done in the entire day, that helps to results of the patients with their codes next day. Online uploading of data of tests was also observed in the laboratory of the intern organization.

* This uploading may help to get the required kits for the future programming process, in certain situations.

ACTIVITY LOG FOR THE FORTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	we went to the serology lab and observed the tests done in the lab .	I have observed the ASO (Anti-streptolysin O titer) test	
Day -2	we went to the serology lab and observed the tests done in the lab	I have observed the ASO test	
Day -3	we went to the serology lab and observed the tests done in the lab .	I have observed the ASO test	
Day -4	we went to the serology lab and observed the tests done in the lab	I have observed the widal test	
Day -5	we went to the serology lab and observed the tests done in the lab .	I have observed the widal test	
Day -6	we went to the serology lab and observed the tests done in the lab	I have observed the widal test	

WEEKLY REPORT

WEEK - 4 (From Dt..... to Dt.....)

Objective of the Activity Done:

Detailed Report:

In this week, I allotted in the serology lab,
In this week, we observed the ASO test in the first
three days of week. And last 3 days we observed
Widal test

* ASO test [Antistreptolysin O titer test]
(Antistreptolysin)

* Widal test.

* The ASO test is used to measure the antibodies produced
by your body as a response to the group A streptococcus bacteria.
Generally ASO test, the value below 800 is considered normal and
in children under age 5, the value of is below 100.

* In the last three days, we observed Widal test, it is advanced
way to check for antibodies that your body makes against the
Salmonella bacteria; that cause typhoid fever (enteric fever), this
bacteria can spread from person to person (or from contaminated
food & water).

Thereby, the four weeks plan in the Serology lab is done
by observing different types of tests and the process for those
tests

ACTIVITY LOG FOR THE FIFTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	we went to the ICTC [Integrated Counselling and Testing centre] department	I have observed the Counselor giving Counselling to the patients	clp
Day -2	we went to the ICTC department and observed the Counselor giving Counselling	I have observed the Counselor giving Counselling to the patients	clp
Day -3	we went to the ICTC department and observed the Counselling	I have observed the Counselor giving Counselling to patients	clp
Day -4	we went to the ICTC department and observed the Counselling	I have observed the Counselor giving Counselling to patients	clp
Day -5	we went to the ICTC department and observed the Counselling	I observed the Counselor giving Counselling to patients	clp
Day -6	we went to the ICTC department and observed the Counselling	I have observed the Counselor giving Counselling to patients	clp

WEEKLY REPORT

WEEK - 5 (From Dt..... to Dt.....)

Objective of the Activity Done:

Detailed Report:

In this entire 4th week, we were allotted in the ICRC (Integrated Counselling and Testing Centre) department. In this department we were introduced ourselves to HIV Counsellor and he explained the role of his job in the ICRC.

HIV and AIDS Counselling has two general aims: one is the prevention of HIV transmission and the support of those affected directly and indirectly by HIV, and we learned some of the counselling skills which give us good knowledge on feeling in the patients, rapport establishment with them, showing empathy, listening to them, non-judgemental attitude with patients, follow up them and guiding them safety precautions, counselling for safe sex.

Promoting behavioural changes to reduce vulnerability. These are some of counselling skills we learned.

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ACTIVITY LOG FOR THE SIXTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	we went to the HIV (Human immunodeficiency virus) test lab and observed the tests	I have observed different types of HIV tests performed in the lab	clay
Day - 2	we went to the HIV testing lab and observed the tests done in the lab.	I have observed the COMB AIDS rapid test	clay
Day - 3	we went to the HIV testing lab and observed the tests done in the lab.	I have observed the COMB AIDS, rapid test	clay
Day - 4	we went to the HIV testing lab and observed the tests done in the lab.	I have observed, the COMB AIDS, rapid test	clay
Day - 5	we went to the HIV testing lab and observed the tests done in the lab.	I have observed, the MERI-SCREEN rapid test	clay
Day - 6	we went to the HIV testing lab and observed the tests done in the lab	I have observed, the MERI SCREEN rapid test	clay

WEEKLY REPORT

WEEK - 6 (From Dt..... to Dt.....)

Objective of the Activity Done:

Detailed Report:

In the sixth week, we were allotted in the HIV (Human Immuno-deficiency virus) testing lab. In the day one we observed the lab equipment and other instruments. We observed different types of tests for HIV diseases. The next three days we observed the Comb aids test, it is a rapid sensitive dot immunoassay test for the detection of HIV-1 and HIV-2, antibodies in human serum/plasma. It is the most accurate and reliable routinely used diagnostic HIV test. In the last two days, we observed another test called MERIS SCREEN HIV test, it is a single used immunochromatographic assay for detection of antibodies specific to HIV-1 and HIV-2 in human genus Serum, plasma and whole blood. These are the tests we observed in this week.

ACTIVITY LOG FOR THE SEVEN WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	we went to the HIV testing lab and observed the tests done in the lab	I have observed the MERI SCREEN-rapid test	clay
Day -2	we went to the HIV testing lab and observed the tests done in the lab.	I have observed the MERI SCREEN-Rapid test	clay
Day -3	we went to the HIV testing lab and observed the tests done in the lab	I have observed the signal HIV test	clay
Day -4	we went to the HIV testing lab and observed the tests done in the lab.	I have observed the signal HIV test.	clay
Day -5	we went to the HIV testing lab and observed the tests done in the lab	I have observed the signal HIV test	clay
Day -6	we went to the HIV testing lab and observed the tests done in the lab	I have observed the signal HIV test.	clay

WEEKLY REPORT

WEEK - 7 (From Dt...19/01/23... to Dt.....)

Objective of the Activity Done:

Detailed Report:

In this entire seventh week, we were allotted to the HIV testing lab and it is the SIC development. In the first two days we observed the MERI screen test, as described in the last week it is a single used, immunochromatographic assay for the detection of antibodies specific to HIV-1 and HIV-2 in human serum, plasma and whole blood. In the last four days we observed the signal HIV test is a flow through Immuno-dot test for qualitative detection of antibodies to HIV-1 in serum or plasma. Rapid visual two dots assay with in built control dot. These are the tests done in the organization. HIV damages the immune system and interferes with the body ability to fight infection and disease. prevent progression.

Hence many and more importance is given to the disease.

ACTIVITY LOG FOR THE EIGHTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	we went to the microbiology lab and observed the tests done in the lab	I have observed the lab equipment and the instruments in lab	<u>Avk</u>
Day -2	we went to the microbiology lab and observed the tests done in the lab	I have observed the lab equipment and instruments in lab	<u>Avk</u>
Day -3	we went to the microbiology lab and observed the tests done in the lab	I have observed the lab equipment and instruments in lab	<u>Avk</u>
Day -4	we went to the microbiology lab and observed the tests done in the lab.	I have observed the laminar air flow chamber	<u>Avk</u>
Day -5	we went to the microbiology lab and observed the tests done in the lab.	I have observed the incubator and autoclave.	<u>Avk</u>
Day -6	we went to the microbiology lab and observed the tests done in the lab	I have observed the Gram-staining technique	<u>Avk</u>

WEEKLY REPORT

WEEK - 8 (From Dt..... to Dt.....)

Objective of the Activity Done:

Detailed Report:

In this entire eight week we were allotted to the microbiology lab and we observed all the equipment in the lab. In first three days we observed the laboratory precautions, equipment and all the instruments which are used in the laboratory. A lot of instruments are used in this lab.

* In the next day, we observed an lab equipment used in the lab called laminar air flow cabinet, it is a boxfully enclosed bench designed to prevent contamination of semiconductor wafers, biological samples, or any particle sensitive materials. Air is filtered by HEPA filter and blown in a very smooth, laminar air flow towards the user, it may have a uv-c germicidal lamp to sterilize the interior before usage. In the fifth day, we observed the (observed) Incubator. It is a device used to grow and maintain microbiological cultures (or cell cultures). The cultured microorganisms in the laminar air flow are incubated in the incubator for their growth.

* In the last day we observed the Gram-stain technique

ACTIVITY LOG FOR THE NINETH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	we went to the microbiology lab and observed the tests done in the lab	I have observed the Gram-stain technique	<u>Avic</u>
Day - 2	we went to the microbiology lab and observed the tests done in the lab	I have observed the Gram-stain technique	<u>Avic</u>
Day - 3	we went to the microbiology lab and observed the tests done in the lab.	I have observed the Gram-stain technique	<u>Avic</u>
Day - 4	we went to the microbiology lab and observed the tests done in the lab	I have observed the Ziehl-Neelsen stain technique	<u>Avic</u>
Day - 5	we went to the microbiology lab and observed the tests done in the lab	I have observed the Ziehl-Neelsen stain technique	<u>Avic</u>
Day - 6	we went to the microbiology lab and observed the tests done in the lab	I have observed the Ziehl-Neelsen stain technique	<u>Avic</u>

WEEKLY REPORT

WEEK - 9 (From Dt..... to Dt.....)

Objective of the Activity Done:

Detailed Report:

In this week also we were allotted in the same microbiology lab. In the first three days of this week, we observed the gram-stain technique, it is a method of staining used to classify bacterial species into two large groups:- gram-positive bacteria and gram-negative bacteria.

Gram staining differentiates bacteria by the chemical and physical properties of their cell walls.

It is almost always the first step in the identification of a bacterial group. hence it is a valuable diagnostic tool in the hospitals. And in the last three days of this week we observed the Ziehl-Neelsen staining technique that is used in the lab, it is a type of acid-fast stain used to identify acid-fast organisms, mainly Mycobacteria. The acid-fast organisms, mainly Mycobacteria.

The acid-fast bacilli are bright (and red) after staining.

(Gram positive bacteria appear Crystal violet colour and gram negative bacteria appear pink or red in the colour by Counterstaining.

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ACTIVITY LOG FOR THE TENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	we went to the microbiology lab and observed the tests done in the lab.	I have observed the preparation of nutrient culture medium.	<u>Avk</u>
Day - 2	we went to the microbiology lab and observed the tests done in the lab.	I have observed the preparation of nutrient culture medium.	<u>Avk</u>
Day - 3	we went to the microbiology lab and observed the tests done in the lab.	I have observed the streaking on the culture medium.	<u>Avk</u>
Day - 4	we went to the microbiology lab and observed the tests done in the lab.	I have observed the different dust bins for different types of bio-medical wastes.	<u>Avk</u>
Day - 5	we went to the microbiology lab and observed the tests done in the lab.	I have observed the different dust bins for different types of bio-medical wastes.	<u>Avk</u>
Day - 6	we went to the microbiology lab and observed the tests done in the lab.	I have observed different dust bins for different types of bio-medical wastes.	<u>Avk</u>

WEEKLY REPORT

WEEK - 10 (From Dt..... to Dt.....)

Objective of the Activity Done:

Detailed Report:

In this week we were in the microbiology lab and observed the preparation of Nutrient culture medium, it is used as an organic nitrogen source in microbiological culture media for cultivation of a variety of bacteria and fungi. A culture media is a preparation of essential minerals, nutrients and carbon source for the better growth of microorganisms.

Generally and mainly peptone is used in culture media. In the third day, we observed the streaking technique used in microbiology for the isolation of single colonies of microorganisms, either from a mixed species or from a single species.

In the last three days, we observed the disposal of waste (lab waste) in different types of dust bins. There are many types but generally three-four types are used in the organization, they are red, blue, yellow and green according to the type of waste material we are going to dispose.

ACTIVITY LOG FOR THE ELEVENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	we were allotted to the blood Sample Collection area.	I have learned the method to collect blood from the patient	AVK
Day - 2	we were allotted to the blood Sample Collection area.	I have learned the method to collect blood from patient	AVK
Day - 3	we were allotted to the blood Sample Collection area.	I have learned the method to collect blood from patient	AVK
Day - 4	we were allotted to the blood Sample Collection area.	I have learned the method to collect blood from Patient	AVK
Day - 5	we were allotted to the blood Sample Collection area	I have learned the method to collect blood from patient	AVK
Day - 6	we were allotted to the blood Sample Collection area.	I have learned the method to collect Blood from patient	AVK

WEEKLY REPORT

WEEK - 11 (From Dt..... to Dt.....)

Objective of the Activity Done:

Detailed Report:

In this entire week, we are allotted in the blood sample collection area, here the patients who need to undergo blood tests have to give their blood. Firstly the patient details were recorded and then the blood sample is taken, the amount of blood taken is according to the types of tests they undergo and the sample was poured in the sample tubes, these tubes have the patient's ID number and then these samples were sent to the different blood and serum, plasma testing labs according to the type of test required, here also the patient's ID no. is recorded. Generally 3ml and 5ml syringes are used in the organization.

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ACTIVITY LOG FOR THE TWELVETH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	we went to the Biochemistry lab and observed the test done in the lab	I have observed the process of Bilirubin test.	@
Day - 2	we were allotted to the Bio-chemistry and observed the test done in the lab.	I have observed the process of Bilirubin test	@
Day - 3	we were allotted to Bio-chemistry lab and we observed the tests done in the lab	I have observed the process of Bilirubin test	@
Day - 4	we were allotted to Biochemistry lab and we observed the test done in the lab.	I have observed the process of Calcium test	@
Day - 5	we were allotted to Biochemistry lab and we observed the tests done in the lab	I have observed the process of Calcium test	@
Day - 6	we were allotted to the Bio-chemistry lab and we observed the test done in the lab	I have observed the process of Calcium test	@

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WEEKLY REPORT

WEEK - 12 (From Dt..... to Dt.....)

Objective of the Activity Done:

Detailed Report:

In this week we were allotted to the bio-chemistry lab and observed the equipments in the laboratory. In the first three days of the week, we observed the bilirubin test in the lab, it is a yellow pigment that is in blood and stool. A bilirubin test determines the level of bilirubin in the body. In the organization, they test for direct bilirubin - bilirubin attached by the liver to glucuronic acid is called direct bilirubin. and for total bilirubin - All the bilirubin in your body's blood is called total bilirubin. High bilirubin can involve jaundice, total bilirubin normal value - 0.2-1.2 mg/dL and direct bilirubin value is 0-0.6 mg/dL. In the last three days of this week, we observed the calcium test to measure the amount of calcium in your blood. If there is too much or too little calcium in the blood, it may be a sign of a wide range of medical conditions. Normal calcium value in the blood is 8-11 mg/dL.

ACTIVITY LOG FOR THE THIRTEENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	we were allotted to the Bio-chemistry lab and we observed the tests done in the lab	I have observed the process of creatinine test	@
Day -2	we were allotted to the Bio-chemistry lab and we observed the tests done in the lab	I have observed the process of creatinine test	@
Day -3	we were allotted to Bio-chemistry lab and observed the tests done in the lab	I have observed the process of creatinine test	@
Day -4	we were allotted to the Bio-chemistry lab and observed the tests done in the lab	I have observed the uric acid test	@
Day -5	we were allotted to the Bio-chemistry lab and observed the tests done in the lab	I have observed the uric acid test	@
Day -6	we were allotted to the Bio-chemistry lab and observed the tests done in the lab	I have observed the uric acid test	@

WEEKLY REPORT

WEEK - 13 (From Dt..... to Dt.....)

Objective of the Activity Done:

Detailed Report:

In this week in the bio-chemistry lab the first three days we observed the Creatinine test, it is a measure to know how well your kidneys are performing their job of filtering waste from your blood, it is a chemical compound left over from energy-producing processes in your muscles. Healthy kidneys filter creatinine out of the blood. Creatinine exists your body as a waste product in urine. Normal value of Creatinine in the blood is $0.5 - 1.5 \text{ mg/dl}$

In the last three days of this week we observed the uric acid test, it measures the amount of uric acid test, it measures the amount of uric acid in a sample of blood. It is a normal waste product that your body makes when it breaks down chemicals called purines, they come from your cells when die, high uric acid in blood can form needle shaped crystals in and around joints. This condition is called gout. Gout is a type of arthritis that causes painful swelling in your joints, also cause kidney stones or kidney failure, its normal value is $2.5 - 7.9 \text{ mg/dl}$

ACTIVITY LOG FOR THE FOURTEENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	We were allotted to the Bio-chemistry lab and we observed the tests done in the lab.	I have observed the Glucose test	@
Day -2	We were allotted to the Bio-chemistry lab and we observed the tests done in the lab.	I have observed the Glucose test	@
Day -3	We were allotted to the Bio-chemistry lab and we observed the tests done in the lab.	I have observed the Glucose test	@
Day -4	We were allotted to the Bio-chemistry lab and we observed the tests done in the lab.	I have observed the Total cholesterol test	@
Day -5	We were allotted to the Bio-chemistry lab and we observed the tests done in the lab.	I have observed the total cholesterol test	@
Day -6	We were allotted to the Bio-chemistry lab and we observed the tests done in the lab.	I have observed the total cholesterol test	@

WEEKLY REPORT

WEEK - 14 (From Dt..... to Dt.....)

Objective of the Activity Done:

Detailed Report:

In this week in the Bio-chemistry lab, we observed the glucose and cholesterol tests. In the first three days, we observed the glucose tests. First day we observed the fasting blood sugar test to measure the blood sugar after overnight of fasting (not eating). Second day observed the glucose test to measure the amount of glucose circulating in the blood. Normal value of Glucose [Post-prandia] is 80-160mg/dl and value of Glucose (Random) is 70-140mg/dl. In the last three days of this week, we observed the total cholesterol test - a measure of the total amount of cholesterol in the blood.

It includes LDL, HDL, VLDL, Triglycerides, the normal value of total cholesterol is 150-200mg/dl

ACTIVITY LOG FOR THE FIFTEENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	we were allotted to the Bio-chemistry lab and we observed the tests done in the lab.	I have observed the total protein test	@
Day - 2	We were allotted to the Bio-chemistry lab and we observed the tests done in lab.	I have observed the total protein test	@
Day - 3	we were allotted to the Bio-chemistry lab and we observed the tests done in the lab.	I have observed the Albumin test	@
Day - 4	we were allotted to the Bio-chemistry lab and we observed the tests done in lab	I have observed the Amylase test	@
Day - 5	we were allotted to the Bio-chemistry lab and we observed the tests done in lab	I have observed the Amylase test	@
Day - 6	we were allotted to the Bio-chemistry lab and we observed the tests done in lab	I have observed the urea test	@

WEEKLY REPORT

WEEK - 15 (From Dt..... to Dt.....)

Objective of the Activity Done:

Detailed Report:

This is the last of the internship in the organization, in this week we observed many tests that are performed in the Bio-chemistry lab. The first one is the total protein test to measure the amount of protein in the blood its normal value is 6-8 g/L, next test is Albumin test to measure the amount of albumin in the blood its normal value is 3.5-5 g/dL. The next test is the ~~Amylase~~ test to measure the amount of amylase enzyme in the blood its normal value is 22-82 U/L. In the next day we observed the Triglycerides tests to measure the amount of fat in your blood called triglycerides. High triglycerides may increase your risk for heart attack or stroke. Its normal value is 60-150 mg/dL. In the last of this week, observed the urea test, to check the kidney function and its normal value is 15-40 mg/dL.

Prof. Dr. 17/7/23

CHAPTER 5: OUTCOMES DESCRIPTION

Describe the work environment you have experienced (in terms of people interactions, facilities available and maintenance, clarity of job roles, protocols, procedures, processes, discipline, time management, harmonious relationships, socialization, mutual support and teamwork, motivation, space and ventilation, etc.)

The work place for the intern during the internship is pleasant, non-stop and Continuous. every one was assigned with their respective work. People in the organisation are good at elaborating their work with students. Sufficient facilities are available for work space and for non-disturbing process. They maintain the equipment properly and maintain stock of instruments and other requirements.

Every one in the organisation perform their designated work, they always follow the protocols and procedures. They work together by sharing their work for time management.

Communication with own staff and patients was good and maintain good relation with other departments, they support each other and believe in team work.

The ventilation is maintained properly with windows, ventilation fans. All rooms are connected with fire extinction network. Room numbers were maintained properly. The organization has a back exit in case of emergency, electrical lift support for patients.

water supply is available, Sanitation is also good

Describe the real time technical skills you have acquired (in terms of the job-related skills and hands on experience)

The realtime technical skills which include collection of blood, samples, blood grouping, blood cross-matching etc, Handling the microscope, centrifuge, laminar air-flow chamber, autoclave etc.

Also using of hot air oven, incubator, platelet storage system platelet agitator and other equipments. Staining technique like gram staining, Ziehl-Neelsen staining etc.

Estimation haemoglobin by using Hb test, identifying the type of bacteria by staining techniques, separation of serum and plasma from blood, smear technique.

Different types of methods of culture techniques, using of autoclave for sterilization, Coombs method for HIV test. Counselling skills for patients.

Handling some equipment is very hard to control and use observed by the students in the internship.

Describe the managerial skills you have acquired (in terms of planning, leadership, team work, behaviour, workmanship, productive use of time, weekly improvement in competencies, goal setting, decision making, performance analysis, etc.

According to world economic forum managerial skills are in top 10 skills required for today's work force. In this internship, I have acquired many important skills which are required for good performance in the work. planning schedule properly helps in time management. Working together results in good team work. leading the team for good results, maintaining good behaviour, Completing the assigned work properly.

Improving day by day results in good productivity setting a goal and working to pursue it is important. Having confidence in decision making is of the best thing. I have learnt in the internship.

checking their own performance and analysis of it to improve is also a must required skill

Managing to complete the full work assigned in the day is also important. maintaining good relation with each other.

Controlling the anger using good examples of self motivation. learning from mistakes observing seniors for good skill development etc, are the managerial skills. I have acquired during this internship.

Describe how you could improve your communication skills (in terms of improvement in oral communication, written communication, conversational abilities, confidence levels while communicating, anxiety management, understanding others, getting understood by others, extempore speech, ability to articulate the key points, closing the conversation, maintaining niceties and protocols, greeting, thanking and appreciating others, etc.,)

Communication skills like oral communication was improved by discussing the procedure of a test, expressing the opening opinion on something, sharing the known information etc, writing the text required for the patients and results properly, writing the period of time, incubated of some thing properly.

Expressing their opinion confidently is a good skill that was developed controlling anxiety incase of observing errors. understanding the other's opinion on the problems. I have developed the ability.

We also come to getting understanding by other. We improved our speech skills from prepared level to extempore level. We have developed from a student to an understanding ability.

understanding the other problems in tests and other work related matters. Using conversational abilities to identify the problems and finding in solutions for them.

Describe how could you could enhance your abilities in group discussions, participation in teams, contribution as a team member, leading a team/activity.

To improve group discussion abilities, I have learned to respect the contributions of other speakers.

- Acknowledge what I have find interesting
- listening well to the ideas of other speakers.
- Remembering that a discussion is not a fight.
- Think about your contribution before you speak
- Trying to stick to the discussion point etc, I have improved my leadership skills in the internship programme, by identify my strengths and weaknesses
- Taking management advice
 - By determining your goals.
 - Admitting when failure caused by you etc, one's abilities can be improved at observation of superior and their behaviour
 - Their Communicational Skills and their job completion skills

Describe the technological developments you have observed and relevant to the subject area of training (focus on digital technologies relevant to your job role)

Many technological improvements and developments can be seen in the internship organization which include firstly from the lab equipments which have automatic temperature controls, automatic on/off systems, heavy weight lifts, deep freezing fridges, fire extinguishing systems, mobile ambulances with life support

many equipments are now available with digital displays and show accurate readings.

large number of data analysis systems.

Recording patients data in government servers providing digital identity for the staff and as well as for the patients

many technologically upgraded mechanaries were introduced in the organization which include total blood cell counter, CD-4 machine, bio-reactor, etc.

prof 19/7/12

Student Self Evaluation of the Short-Term Internship

Student Name: **NAKKERLA SANDHYA**

Registration No: **202200056021**

Term of Internship:

From: **03/12/22**

To: **19/03/23**

Date of Evaluation:

Organization Name & Address: **GOVERNMENT GENERAL HOSPITAL
SPIKAKULAM.**

Please rate your performance in the following areas:

Rating Scale: Letter grade of CGPA calculation to be provided

1	Oral communication	1	2	3	4	5
2	Written communication	1	2	3	4	5
3	Proactiveness	1	2	3	4	5
4	Interaction ability with community	1	2	3	4	5
5	Positive Attitude	1	2	3	4	5
6	Self-confidence	1	2	3	4	5
7	Ability to learn	1	2	3	4	5
8	Work Plan and organization	1	2	3	4	5
9	Professionalism	1	2	3	4	5
10	Creativity	1	2	3	4	5
11	Quality of work done	1	2	3	4	5
12	Time Management	1	2	3	4	5
13	Understanding the Community	1	2	3	4	5
14	Achievement of Desired Outcomes	1	2	3	4	5
15	OVERALL PERFORMANCE	1	2	3	4	5

Date:

N. Sandhya
Signature of the Student

Evaluation by the Supervisor of the Intern Organization

Page No

Student Name: NAKKEPILA SANDHYA

Registration No: 2022001056021

Term of Internship:

From: 07-12-22

To: 18-03-23

Date of Evaluation:

Organization Name & Address: GGH, SRIKAKULAM

Name & Address of the Supervisor
with Mobile Number

Please rate the student's performance in the following areas:

Please note that your evaluation shall be done independent of the Student's self-evaluation

Rating Scale: 1 is lowest and 5 is highest rank

1	Oral communication	1	2	3	4	5
2	Written communication	1	2	3	4	5
3	Proactiveness	1	2	3	4	5
4	Interaction ability with community	1	2	3	4	5
5	Positive Attitude	1	2	3	4	5
6	Self-confidence	1	2	3	4	5
7	Ability to learn	1	2	3	4	5
8	Work Plan and organization	1	2	3	4	5
9	Professionalism	1	2	3	4	5
10	Creativity	1	2	3	4	5
11	Quality of work done	1	2	3	4	5
12	Time Management	1	2	3	4	5
13	Understanding the Community	1	2	3	4	5
14	Achievement of Desired Outcomes	1	2	3	4	5
15	OVERALL PERFORMANCE	1	2	3	4	5

Date:

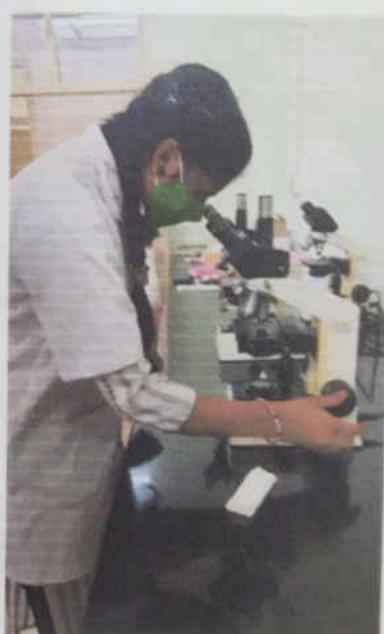
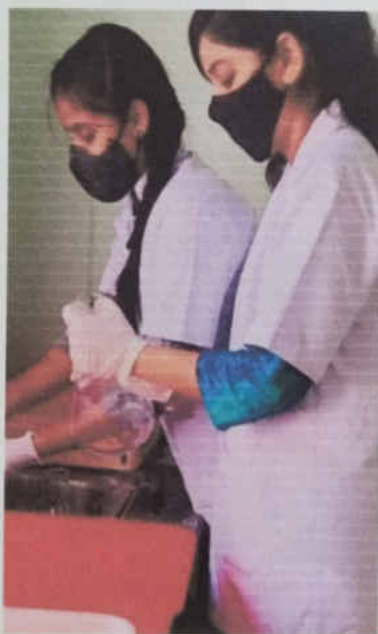
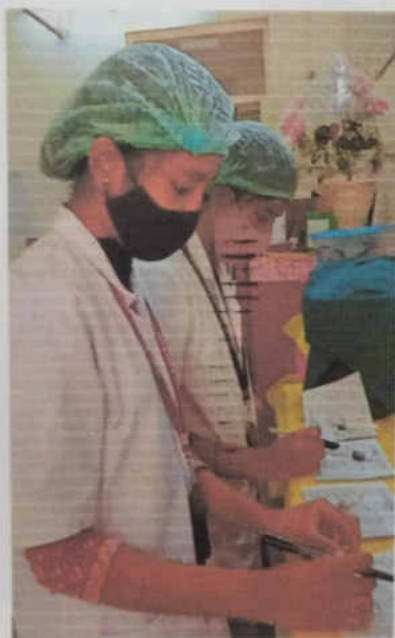
D. K. SARADAMMA M.S
Professor & HOD

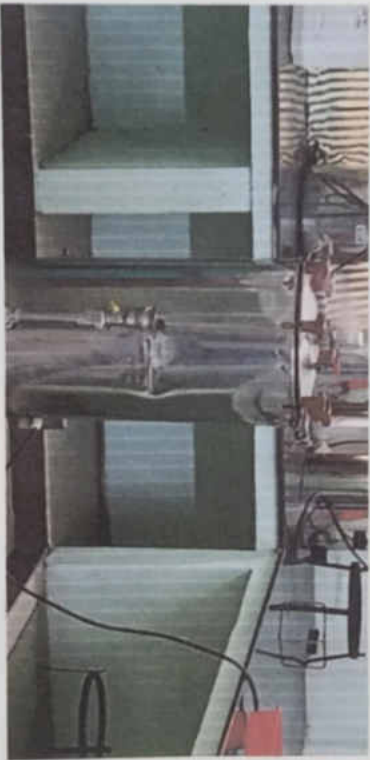
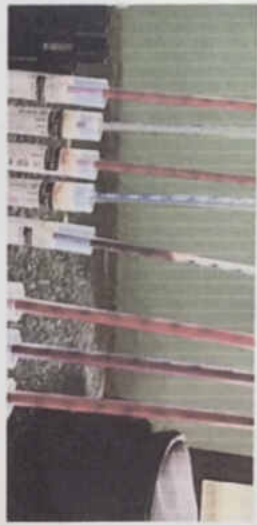
Department of B.A. History

Government College, Srikakulam

Signature of the Supervisor

Government General Hospital Srikakulam





EVALUATION

MARKS STATEMENT
(To be used by the Examiners)

INTERNAL ASSESSMENT STATEMENT

Name Of the Student: NANKERLA SANDHYA

Programme of Study: LONG-TERM INTERNSHIP

Year of Study: III - year

Group: CBMB

Register No/H.T. No: 2022001056021

Name of the College: GOVERNMENT DEGREE COLLEGE(MEN) SRIKAKULAM

University: DR. B. R. AMBEDKAR UNIVERSITY.

SLNo	Evaluation Criterion	Maximum Marks	Marks Awarded
1.	Activity Log	10	10
2.	Internship Evaluation	30	30
3.	Oral Presentation	10	10
	GRAND TOTAL	50	50

Date: 18/07/2023

D. Ravi

Signature of the Faculty Guide

EXTERNAL ASSESSMENT STATEMENT

Name Of the Student: NAKKERLA SANDHYA

Programme of Study: LONG-TERM INTERNSHIP

Year of Study: 2022-23

Group: CBMB

Register No/H.T. No: 2022001056021

Name of the College: GOVERNMENT DEGREE COLLEGE (MEN)

University: DR. B. R. AMBEDKAR UNIVERSITY

SL.No	Evaluation Criterion	Maximum Marks	Marks Awarded
1.	Internship Evaluation	80	80
2.	For the grading giving by the Supervisor of the Intern Organization	20	20
3.	Viva-Voce	50	50
	TOTAL	150	150
GRAND TOTAL (EXT. 50 M + INT. 100M)		200	200

Signature of the Faculty Guide

D. Ravi

Signature of the Internal Expert

K. Suresh

Signature of the External Expert

100% 19/12/22

Signature of the Principal with Seal

PRINCIPAL
Government Degree College (Men)
SRIKAKULAM