

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 :- Baratam Saran

Name of the college :- Government Degree College (men) Srikakulam

Registration number :- 2022001056003

Period of Internship :- From : 7th Dec 2022 To : 18th Mar 2023

Name and Address of the Intern Organization :- Government General Hospital (GGH) Srikakulam.

Dr. B.R. Ambedkar University Srikakulam **University**

YEAR

19/7/23
19/7/23

An Internship Report on

Medical field

(Title of the Semester Internship Program)

Submitted in accordance with the requirement for the degree of
5th semester IIIrd C.B.Mb

Under the Faculty Guideship of

D. Ravindra sir

(Name of the Faculty Guide)

Department of

Government Degree College (men) Srikakulam

(Name of the College)

Submitted by:

Baratam Saran

(Name of the Student)

Reg.No: 2022001056003

Department of Govverment

Degree college (men) Srikakulam

(Name of the College)

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page no 1
17/9/22

Student's Declaration

I, Baratham Saran a student of B.Sc IIIrd year
Program, Reg. No. 2022001056003 of the Department of Govt Degree College (M) Srikakulam
College do hereby declare that I have completed the mandatory internship
from 07/12/2022 to 18/03/2023 in GSH Srikakulam (Name of
the intern organization) under the Faculty Guideship of
D. Ravindra sir (Name of the Faculty Guide), Department of
Botany, GDC (men) Srikakulam
(Name of the College)

B. Saran
(Signature and Date)

Official Certification

This is to certify that Baratam Saran (Name of the student) Reg. No. 1022001056003 has completed his/her Internship in GRIH-Srikakulam (Name of the Intern Organization) on Medical department (Title of the Internship) under my supervision as a part of partial fulfillment of the requirement for the Degree of B.Sc Microbiology in the Department of APC (Men) Srikakulam (Name of the College).

This is accepted for evaluation.

D. Ray
(Signatory with College Seal)
Lecturer in Botany
Govt. Degree College
SRIKAKULAM

Endorsements

Faculty Guide

D. Ray

Head of the Department

[Signature]

[Signature]
Principal
Govt. Degree College (Men)
SRIKAKULAM

Certificate from Intern Organization

This is to certify that Baratam Saran (Name of the intern)
Reg. No 2022001056003 of GDC(men) Srikakulam (Name of the
College) underwent internship in GGH- Srikakulam (Name of the
Intern Organization) from 7th Dec 2022 to 18th Mar 2023

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

Dr. K. SARADAMBA, M.D.
Professor & HOD
Department of Bio Chemistry
Government Medical College
Authorized Signatory with Date and Seal
16/5/2023

Acknowledgements

This hospital in we are highly obliged to respected to Dr. Shri pola Bhaskar commissioner for providing a great opportunity for internship.

We are grateful to our Dr. P. Surekha principle GDC [Men] Srikakulam for her sincere encouragement towards internship.

We are thankful to Sri B. Mohan Rao Coordinator for internship for his continuous co-ordination and communication with students.

We are grateful to D. Raveendra Lecturer in Botany class mentor for his continuous monitoring for the entire internship.

RMO Assistant Professor, HOD and lab technician of GGH thank you so much for giving the opportunity to complete my internship at GGH. I have learnt so much and appreciate the time you spent leading my new skills and useful medical tests.

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19/7/23

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 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.

In the entire internship I have learned many lab techniques used to determine the type of disease and microorganisms present in the patients.

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 is Government General Hospital (GGH) 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 labs are present in the hospital which are important to determine the type of disease and microorganism present in the patients body. I had been allotted in some of the labs in hospital to learn about the tests 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.

The government and the authority were playing to develop the organization for treatment of many other diseases and Lab tests which are not available for now.

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.

The internship was done in Government, General Hospital [GGH] Srikakulam.

In the medical department. 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 caring during collection of blood samples and in urine tests.

I conducted many tests like blood grouping determination etc, under the supervision of my sir and madams.

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

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.	<i>Ri</i>
Day -2	We went to the Serology lab and observed the tests done in the lab.	I have learned the usage of lab equipment.	<i>Ri</i>
Day -3	We went to the Serology lab and observed the tests done in the lab.	I have learned the usage of lab equipment.	<i>Ri</i>
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.	<i>Ri</i>
Day -5	We went to the serology lab and observed the tests done in the lab.	I have observed the H.C.V test.	<i>Ri</i>
Day -6	We went to the serology lab and observed the tests done in the lab.	I have observed the H.C.V test.	<i>Ri</i>

WEEKLY REPORT

WEEK - 1 (From Dt. 07/12/22 to Dt. 10/12/22)

Objective of the Activity Done:

Detailed Report:

In this entire first 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 observed the centrifuge, refrigerator etc., and other instruments like micropipette, test tubes, burets, flasks and other glass ware 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 for hepatitis C. The test performed by enzyme immunoassays, which detect the presence of hepatitis C antibodies in serum. The serum is separated from blood by the process centrifugation.

In the internship organization they use a rapid in vitro Diagnostic test for HCV for qualitative detection of 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.	fw
Day - 2	We went to the serology lab and observed the tests done in the lab.	I have observed the Malaria test.	fw
Day - 3	We went to the serology lab and observed the tests done in the lab.	I have observed the Malaria test.	fw
Day - 4	We went to the serology lab and observed the tests done in the lab.	I have observed the Malaria test.	fw
Day - 5	We went to the serology lab and observed the tests done in the lab.	I have observed the Malaria test.	fw
Day - 6	We went to the serology lab and observed the tests done in the lab.	I have observed the C-RP (C. Reactive-Protein) test.	fw

WEEKLY REPORT

WEEK - 2 (From Dt. 12/12/22 to Dt. 17/12/22)

Objective of the Activity Done:

Detailed Report:

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

One is the Malaria test and C.R.P test.

In the internship organization they use Malaria Pf/Pv 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. Parasites that cause malaria are passed to humans through the bite of infected mosquitos. Malaria is common in tropical and subtropical areas. So, malaria tests are regularly conducted in the organization.

CRP test a c-reactive protein test measures the level of C-reactive protein in a sample of your blood. CRP is a protein that your liver makes. A CRP test can show whether you have inflammation in your body and how much. hence this test also conducted in the organization. These are the two tests 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	Ru
Day - 2	We went to the Serology lab observed the tests done in the lab.	I have observed the CRP test	Ru
Day - 3	We went to the Serology lab and observed the tests done in the lab.	I have observed the CRP test.	Ru
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.	Ru
Day - 5	We went to the Serology lab and observed the tests done in the lab	I have observed the HBsAg test	Ru
Day - 6	We went to the Serology lab and observed the tests done in the lab.	I have observed the HBsAg test.	Ru

WEEKLY REPORT

WEEK - 3 (From Dt. 19/12/22 to Dt. 26/12/22)

Objective of the Activity Done:

Detailed Report:

In this entire third week I have observed two tests. The first three days I have observed the C-RP test and the next last three days observed the HBsAg test. As we observed the CRP test in the last week. So, we observed the same test procedure in the first three days of this week too. In the last three days we observed the HBsAg test. (Hepatitis-B surface Antigen) is a rapid invitro diagnostic test for qualitative detection of Hepatitis B surface antigen in human serum (or) plasma. It is a viral infection that attacks the liver. In the internship organization they also provide free medicine and free vaccines, for this infection. We also observed many activities in the laboratory like cleaning the lab, making recording of the tests done in the day, uploading the tests done in the lab to the organization online database, and observed other works done in the lab.

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. 27/12/22 to Dt. 03/01/23)

Objective of the Activity Done:

Detailed Report: In this entire forth week we were allotted to the serology lab and we observed the ASO test in the first three days of the week. The ASO test (or) Antistreptolysin O titer test is used to measure the antibodies produced by your body as a response to the group A streptococcus bacteria. Generally, an ASO test value below 200 is considered normal and in children under the age 5, the value is below 100. In the last three days of the week we observed the Widal test. It is an advanced way to check for antibodies that your body makes against the salmonella bacteria that causes typhoid fever (enteric fever), this bacteria can spread from person to person (or) from consuming contaminated food.

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 I.C.T.C [Integrated Counselling and Testing Centre] department.	I have observed the counsalar giving counselling the patients	clp
Day - 2	We went to the I.C.T.C department and observed the counselor giving counselling	I have observed the counsalar giving counselling to the patients.	clp
Day - 3	We went to the I.C.T.C department and observed the counselling.	I have observed the counsalar giving counselling to the patients.	clp
Day - 4	We went to the I.C.T.C department and observed the counselling.	I have observed the counsalar giving counselling to the patients.	clp
Day - 5	We went to the I.C.T.C department and observed the counselling.	I observed the counsalar giving counselling to the patients.	clp
Day - 6	We went to the I.C.T.C department and observed the counselling.	I have observed the counsalar giving counselling to the patients.	clp

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WEEKLY REPORT

WEEK - 5 (From Dt. 04/01/23 to Dt. 07/12/23)

Objective of the Activity Done:

Detailed Report:

In this entire fifth week we were allotted in the I.C.T.C (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 ICTC. 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 gives us good knowledge own feeling in the patients, rapport establishment with them, showing empathy, listening to them, non-judgmental attitude with patients, following them. and guiding them safety precautions. counselling for safe sex.

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

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 H.I.V (Human Immuno-deficiency Virus) test lab and observed the tests.	I have observed different types of HIV tests performed in the lab	cy
Day -2	We went to the H-I.V testing lab and observed the tests done in the lab.	I have observed the COMB AIDS-rapid test	cy
Day -3	We went to the H-I.V testing lab and observed the tests done in the lab.	I have observed the COMB AIDS-rapid test	cy
Day -4	We went to the H-I.V testing lab and observed the tests done in the lab.	I have observed the COMB AIDS-rapid test	cy
Day -5	We went to the H-I.V testing lab and observed the tests done in the lab.	I have observed the MERI SCREEN-Rapid test	cy
Day -6	We went to the H-I.V testing lab and observed the tests done in the lab.	I have observed the MERI SCREEN-Rapid test	cy

WEEKLY REPORT

WEEK - 6 (From Dt. 09/01/23 to Dt. 18/01/23)

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 disease. 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 MERI screen HIV test, it is a single used, immunochromatographic assay for detection of antibodies specific to HIV-1 and HIV 2 in human 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 H-I-V testing lab and observed the tests done in the lab.	I have observed the MERI SCREEN-Rapid test.	cup
Day -2	We went to the H-I-V testing lab and observed the tests done in the lab.	I have observed the MERI SCREEN-Rapid test.	cup
Day -3	We went to the H-I-V testing lab and observed the tests done in the lab.	I have observed the signal HIV test.	cup
Day -4	We went to the H-I-V testing lab and observed the tests done in the lab.	I have observed the signal HIV test.	cup
Day -5	We went to the H-I-V testing lab and observed the tests done in the lab.	I have observed the signal HIV test.	cup
Day -6	We went to the H-I-V testing lab and observed the tests done in the lab.	I have observed the signal HIV test.	cup

WEEKLY REPORT
WEEK - 7 (From Dt. 19/01/23 to Dt. 25/01/23)

Objective of the Activity Done:

Detailed Report: In this entire seventh week, we were allotted to the HIV testing lab and it is in the IETC department. 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+2 in serum @ Plasma. Rapid visual two dots assay with inbuilt control dot. These are the tests done in the organization. HIV damages the immune system and interferes with the body's ability to fight infection and disease. There is no cure for HIV/AIDS, but medications can control the infection and prevent disease 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 I.C.T.C [Intigrated Counselling and Testing centre] department	I have observed the counsellor giving counselling to the patients.	ey
Day - 2	We went to the I.C.T.C department and observed the counsellor giving counselling to the patients.	I have observed the counsellor giving counselling to the patients.	ey
Day - 3	We went to the I.C.T.C department and observed the counselling.	I have observed the counsellor giving counselling to the patients.	ey
Day - 4	We went to the I.C.T.C department and observed the counselling.	I have observed the counsellor giving counselling to the patients.	ey
Day - 5	We went to the I.C.T.C department and observed the counselling.	I observed the counsellor giving counselling to the patients.	ey
Day - 6	We went to the I.C.T.C department and observed the counselling.	I have observed the counsellor giving counselling to the patients.	ey

WEEKLY REPORT

WEEK - 8 (From Dt. 27/01/23 to Dt. 02/02/23)

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 carefully 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 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 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>Avil</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>Avil</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>Avil</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>Avil</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>Avil</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>Avil</u>

WEEKLY REPORT

WEEK - 9 (From Dt. 03/02/23 to Dt. 09/02/23.)

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 bacilli are bright red after staining. (gram positive bacteria appear crystal violet color and gram-negative bacteria appear pink (or) red in the color by counterstaining).

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	AVK
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	AVK
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	AVK
Day -4	We went to the Microbiology lab and observed the tests done in the lab.	I have observed different dustbins for different types of bio-medical wastes	AVK
Day -5	We went to the Microbiology lab and observed the tests done in the lab.	I have observed different dustbins for different types of bio-medical wastes	AVK
Day -6	We went to the Microbiology lab and observed the tests done in the lab.	I have observed different dustbins for different types of bio-medical wastes.	AVK

WEEKLY REPORT

WEEK - 10 (From Dt. 10/02/23 to Dt. 17/02/23)

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 the 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 same species. In the last three days we observed the disposal of waste (lab-waste) in different types of dustbins, 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 the patient.	AVK
Day -3	We were allotted to the blood sample collection area.	I have learned the method to collect blood from the patient.	AVK
Day -4	We were allotted to the blood sample collection area.	I have learned the method to collect blood from the patient.	AVK
Day -5	We were allotted to the blood sample collection area.	I have learned the method to collect blood from the patient.	AVK
Day -6	We were allotted to the blood sample collection area.	I have learned the method to collect blood from the patient.	AVK

WEEKLY REPORT

WEEK - 11 (From Dt. 20/02/23 to Dt. 27/02/23)

Objective of the Activity Done:

Detailed Report: In this entire week we were allotted in the Blood sample collection area, here the patients who need to undergo blood tests are have to give their blood. firstly the patient's 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 were 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 patients Id no. is recorded. Generally 3ml and 5ml syringes are used in the organization.

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 tests done in the lab.	I have observed the process of Bilirubin test.	@
Day -2	We were allotted to the Bio-chemistry lab and observed the tests done in the lab.	I have observed the process of Bilirubin test.	@
Day -3	We were allotted to the 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 the Bio-chemistry lab and we observed the tests done in the lab.	I have observed the process of calcium test	@
Day -5	We were allotted to the 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 tests done in the lab.	I have observed the process of calcium test	@

WEEKLY REPORT

WEEK - 12 (From Dt. 28/02/23 to Dt. 06/03/23)

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's in blood and stool. A bilirubin test determines the levels 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 together is called total bilirubin. High bilirubin can involve jaundice. total bilirubin normal value - 0.2 - 1 mg/dL and direct bilirubin value is 0 - 0.4 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 the 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 we 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 we 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 we observed the tests done in the lab.	I have observed the Uric acid test	@

WEEKLY REPORT
WEEK - 13 (From Dt. 02/03/23 to Dt. 15/03/23.)

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 were 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 exits your body as a waste product in urine. Normal value of creatinine in the blood is 0.5-1.5 mg/dL.

In the last three days of this week we observed the 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 they 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 3.5-7 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:

On 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 an overnight of fasting (not eating). Second day observed the glucose post-prandial test to see how the body responds to sugar and starch after you eat a meal. third day observed the random glucose test to measure the amount of glucose circulating in the blood. Normal value of Glucose (fasting) is 70-126 mg/dL and normal value of Glucose (Post-prandial) is 80-160 mg/dL and value of Glucose (Random) is 70-140 mg/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 150-250 mg/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 the 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 the lab.	I have observed the Amylase test.	@
Day -5	We were allotted to the Bio-chemistry lab and we observed the tests done in the lab.	I have observed the Triglycerides test.	@
Day -6	We were allotted to the Bio-chemistry lab and we observed the tests done in the 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/dL. 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 22-80 IU/L. In the next day we observed the Triglycerides test 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.

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 present, 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 real time 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 techniques like gram staining, ziehl-Neelsen staining etc.,

Estimation hemoglobin 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, caombs method for HIV test. counselling skills for patients.

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

100%

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 workforce. 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.

Cheaking 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 to selfmotivation. 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 tests 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 to identify the key points in a conversation. following the protocols for elimination of errors.

Maintaining good relation by proper oral communication.

Understanding the others problems in tests and other work related matters. Using conversational abilities to identify the problems and finding in solutions for them. learning from the mistakes. Educating others with good oral communication skills.

Letting others to complete their speech from their point of view.

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 contribution 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 your speak.
- Trying to stick to the discussion point etc, I have improved my leadership skills in the internship program, by identifying my strengths and weaknesses.
- Takeing management advices.
- By determing your goals.
- Admiting when failure arised by you etc, one's abilities can be improved at a observation of superiors and their behaviours.

Their communicational skills and their job completion skills.

100%

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 controles, 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 mechinaries were introduced in the organization which include total blood cell counter, CD-4 machine, Bio-reactor, etc.

Student Self Evaluation of the Short-Term Internship

Student Name:	Baratam Saran	Registration No:	2022001056 003
Term of Internship:	From: 7 th Dec 2022 To: 18 th March 2023		
Date of Evaluation:			
Organization Name & Address:	Government General Hospital (GGH) Srikakulam		

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:

B. Saran
Signature of the Student

Evaluation by the Supervisor of the Intern Organization

Student Name: Baratam Saran

Registration No:

2022001056003

Term of Internship:

From: 7th Dec 2022 To: 18th Mar 2023

Date of Evaluation:

Organization Name & Address: Government General Hospital (G.G.H)
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:

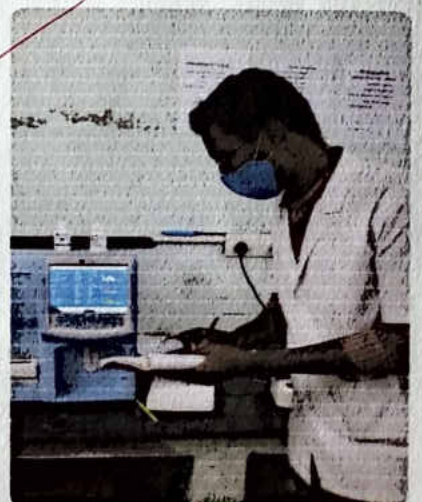
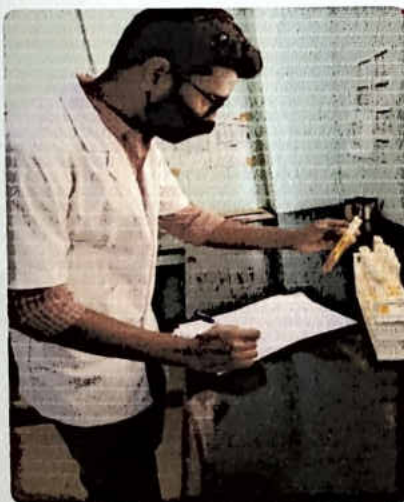
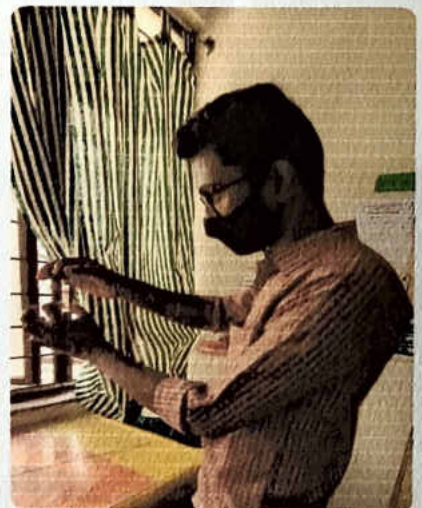
Dr. K. SARADAMBA, M.D.

Signature of the Supervisor

Depart
Gove

Signature of the Supervisor

Government General Hospital Srikakulam





EVALUATION

MARKS STATEMENT
(To be used by the Examiners)

INTERNAL ASSESSMENT STATEMENT

Name Of the Student: **BARATAM. SARAN**

Programme of Study: **LONG-TERM INTERNSHIP**

Year of Study: **IIIrd year**

Group: **CBMB**

Register No/H.T. No: **2022001056003**

Name of the College: **GOVERNMENT DECREE COLLEGE (MEN) SRIRAKULAM**

University: **D.R.B. AMBEDKAR UNIVERSITY**

Sl.No	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**


Signature of the Faculty Guide

EXTERNAL ASSESSMENT STATEMENT

Name Of the Student: ~~1202001056003~~ Barambaram Saran

Programme of Study: long-term Internship

Year of Study:

Group: C.B.Mb

Register No/H.T. No: 2022001056003

Name of the College: Government Degree College (men) Srikakulam

University: Dr. B.R. Ambedkar University Srikakulam.

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	49
	TOTAL	150	149
GRAND TOTAL (EXT. 50 M + INT. 100M)		200	199

Signature of the Faculty Guide

D. Ravi

Signature of the Internal Expert

K. Saurav

Signature of the External Expert

Prof. R. 19/7/22

Signature of the Principal with Seal

B. Ravi
Principal
Government Degree College (Men)
SRIKAKULAM