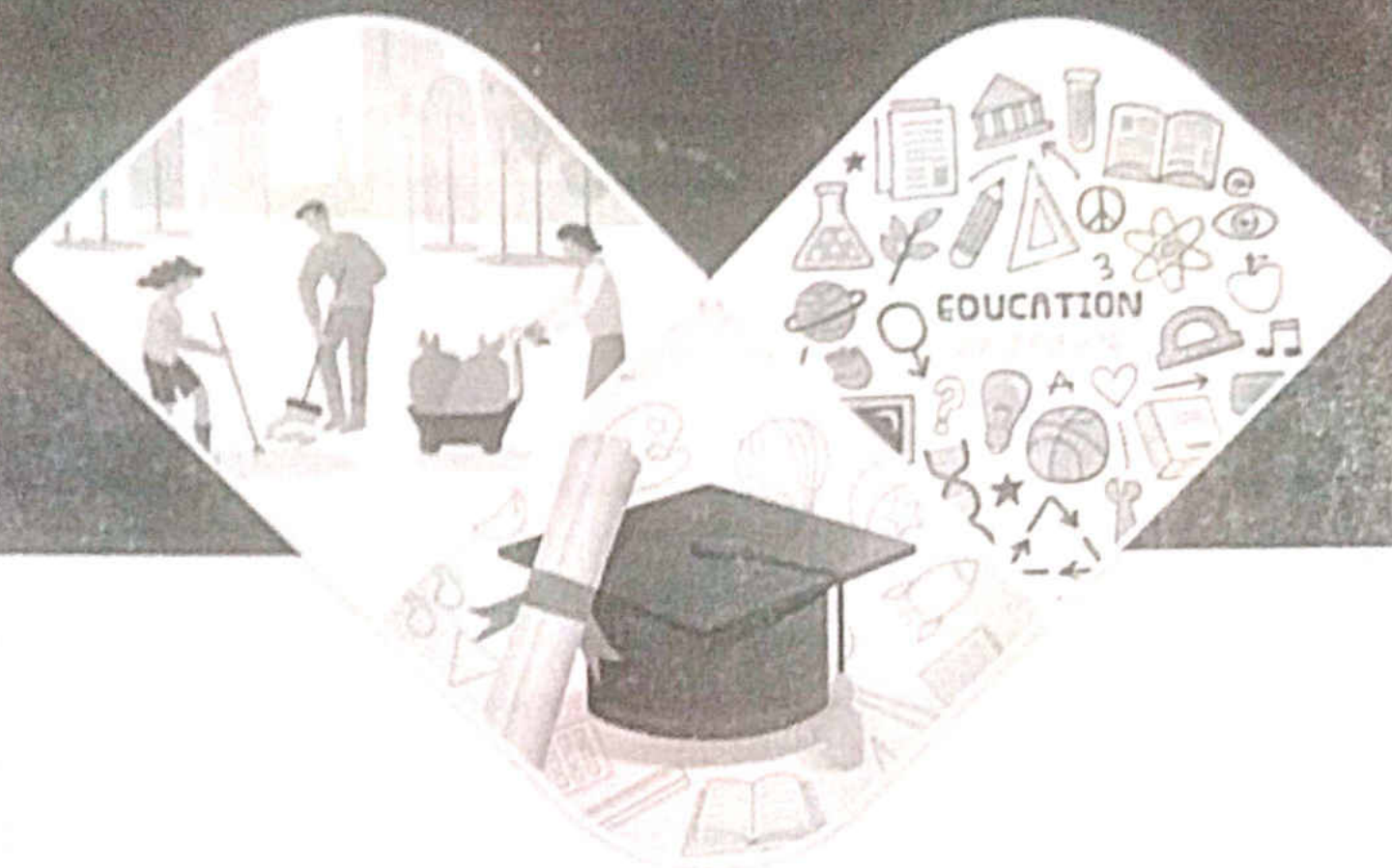


Model Program Book



SEMESTER INTERNSHIP

Designed & Developed by



**ANDHRA PRADESH
STATE COUNCIL OF HIGHER EDUCATION**

(A STATUTORY BODY OF GOVERNMENT OF ANDHRA PRADESH)

PROGRAM BOOK FOR
SEMESTER INTERNSHIP

Name of the Student: N. Likhitha

Name of the College: GOVERNMENT DEERLE COLLEGE (MEN), SRM

Registration Number: 2022001049055

Period of Internship: From: 12-12-2022 to 18-3-2023

Name & Address of the Intern Organization: GOVERNMENT GENERAL HOSPITALS
(RIMS), SRIKAKULAM

Dr. B. Ambedkar **University**
YEAR

An Internship Report on

Medical department

(Title of the Semester Internship Program)

Submitted in accordance with the requirement for the degree of
BSc - BZC (EM)

Under the Faculty Guideship of

S. Ravibabu

(Name of the Faculty Guide)

Department of

GOVERNMENT DEGREE COLLEGE (MEN), SKLM

(Name of the College)

Submitted by:

N. Likhitha

(Name of the Student)

Reg.No: 2022001049055

Department of Zoology

GOVERNMENT DEGREE COLLEGE (MEN), SKLM

(Name of the College)

Instructions to Students

Please read the detailed Guidelines on Internship hosted on the website of AP State Council of Higher Education <https://apsche.ap.gov.in>

1. It is mandatory for all the students to complete Semester internship either in V Semester or in VI Semester.
2. Every student should identify the organization for internship in consultation with the College Principal/the authorized person nominated by the Principal.
3. Report to the intern organization as per the schedule given by the College. You must make your own arrangements for transportation to reach the organization.
4. You should maintain punctuality in attending the internship. Daily attendance is compulsory.
5. You are expected to learn about the organization, policies, procedures, and processes by interacting with the people working in the organization and by consulting the supervisor attached to the interns.
6. While you are attending the internship, follow the rules and regulations of the intern organization.
7. While in the intern organization, always wear your College Identity Card.
8. If your College has a prescribed dress as uniform, wear the uniform daily, as you attend to your assigned duties.
9. You will be assigned a Faculty Guide from your College. He/She will be creating a WhatsApp group with your fellow interns. Post your daily activity done and/or any difficulty you encounter during the internship.
10. Identify five or more learning objectives in consultation with your Faculty Guide. These learning objectives can address:
 - a. Data and Information you are expected to collect about the organization and/or industry.
 - b. Job Skills you are expected to acquire.
 - c. Development of professional competencies that lead to future career success.
11. Practice professional communication skills with team members, co-interns, and your supervisor. This includes expressing thoughts and ideas effectively through oral, written, and non-verbal communication, and utilizing listening skills.
12. Be aware of the communication culture in your work environment. Follow up and communicate regularly with your supervisor to provide updates on your progress with work assignments.

13. Never be hesitant to ask questions to make sure you fully understand what you need to do your work and to contribute to the organization.
14. Be regular in filling up your Program Book. It shall be filled up in your own handwriting. Add additional sheets wherever necessary.
15. At the end of internship, you shall be evaluated by your Supervisor of the intern organization.
16. There shall also be evaluation at the end of the internship by the Faculty Guide and the Principal.
17. Do not meddle with the instruments/equipment you work with.
18. Ensure that you do not cause any disturbance to the regular activities of the intern organization.
19. Be cordial but not too intimate with the employees of the intern organization and your fellow interns.
20. You should understand that during the internship programme, you are the ambassador of your College, and your behavior during the internship programme is of utmost importance.
21. If you are involved in any discipline related issues, you will be withdrawn from the internship programme immediately and disciplinary action shall be initiated.
22. Do not forget to keep up your family pride and prestige of your College.



Student's Declaration

I, N. Likhitha a student of Medical department
Program, Reg. No. 2022001049055 of the Department of GDC (MEN), SKM
College do hereby declare that I have completed the mandatory internship
from 12-12-2022 to 18-3-2023 in GGH (RIMS), SKM (Name of
the intern organization) under the Faculty Guideship of
S. Ravibabu (Name of the Faculty Guide), Department of
Zoology, GOVERNMENT DEGREE COLLEGE (MEN), SRIKAKULAM
(Name of the College)

N. Likhitha
(Signature and Date)

Official Certification

This is to certify that N. Likhitha (Name of the student) Reg. No. 2022001049055 has completed his/her Internship in GGH (RIMS), SKM (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 BSC (BZC) - Em in the Department of GDC (MEN), SKM (Name of the College).

This is accepted for evaluation.



(Signature with Date and Seal)
Dr. K. SABADAMBA, M.D.
Professor & HOD
Department of Bio Chemistry
Government Medical College
SRIRAKULAM-532 001

Endorsements

Faculty Guide



Head of the Department



Principal

Certificate from Intern Organization

This is to certify that N. Likhitha (Name of the intern)
Reg. No 2022001049055 of GDC (MEN), SKM (Name of the
College) underwent internship in GCH (RIMS), SKM (Name of the
Intern Organization) from 12-12-2022 to 18-03-2023

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



Authorised Signatory with Date and Seal
Dr. K. BABAN DA DA MD
Professor & HOD
Department of Bio Chemistry
Government Medical College
SRIKANDHAM-532 001

Acknowledgements

This discussion would have been possible without the guidance and the help of several individuals who in one way or another contributed and extended their valuable assistance in the preparation and completion of this study.

I would like to express my gratitude to ~~RIMS~~ GGH, GNI Organisation for accepting internship programme which has provided an opportunity to gain practical working experience in the organisation.

I take privilege to express my sincere thanks and gratitude to my internal supervisor who gave me guidance and valuable suggestions. I feel honoured to have him as my mentors.

I would also like to extend special thanks to their full of co-operation guidance and support during my internship.

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.

I worked in the internship in the department of medical. firstly I visited in the hospital called ~~RIMS~~^{GMC}, skm.

I have choosen medical department to know the current status of the medical field. And as a science student it is very useful for our further studies. I spent so much of time in the lab. I learned and observed many things with the practical examination. mostly by conducting tests for patients.

The introduction is very friendly and very valuable they very friendly and very valuable they welcomed me with warm heartly. Through this internship I got to know about many medical tests which I don't know about I had learned from my lab techniques. I had collected blood samples from the patients for the reports. Therefore from this work of internship in the medical department I had improved a lot of knowledge about various tests in the various departments such as pathology, Microbiology and biochemistry laboratories. we can interact with the patients very friendly. The faculty explained very well in each and every tests done there in the hospital.

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.

I worked in the medical department as a intern in Government General Hospital (or) GGH (~~RMS~~), Srikakulam. Medical department play an important role in the society. It allows to determine what, exactly, they aim to accomplish and how they can provide the standard of care their patients. My work and experience as an intern in hospital was very useful. I interacted with my senior faculty members with honourably. They treated us as their own students.

I spent nearly four months with the hospital as intern. The faculty have are highly skilled professionals who provide excellent and free tests to the patients. They provide care and medication towards patients. They are responsible for taking care in the participation of medical tests. The environment in the hospital should be very clean and they have done great job. They are responsible for conducting experiments, planning and undertaking controlled experiments, recording, analysing and interpreting data.

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 the GEHI Srikalai. I have allotted in the medical labs such as pathology, microbiology and Biochemistry. I did many tests like haemoglobin test, ESR, Staining etc.

In The working conditions of all allotted labs are excellent. They done experiments and tests continuously. Each department has various tests and various equipments. In microbiology department, Laminar air flow and various kits used in the tests are available. In pathology department, Hematology machine, various microscopes and other equipments are available. In Biochemistry department, Centrifuges, incubator, Autoanalyzer and other equipments are available. Haemometers, microscopes, tubes and bottles are present in the pathology. Machines with highly sophisticated techniques and tools are therefore conducting various tests with full awareness and with full of self caring during collection of blood sample and in urine tests.

Due to this internship, I got to know about the various diseases and their tests for it and report them with modern superficial techniques and technology.

ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	I was allotted in microbiology lab	Observed the equipments in the lab	U
Day -2	I went to microbiology laboratory	Know about laboratory precautions	U
Day -3	I went to microbiology laboratory	know about all the equipments in the lab	U
Day -4	I went to microbiology laboratory	observed gram-staining technique	U
Day -5	I went to the microbiology laboratory	know about gram staining technique	U
Day -6	I went to the microbiology laboratory	know about two gram staining techniques	U

WEEKLY REPORT

WEEK - 1 (From Dt. 12/12/22 to Dt. 17/12/22.)

Objective of the Activity Done:

Detailed Report:

In this entire 1st week, we were allotted to the microbiology lab and we observed all the lab equipment in first three days we observed the laboratory precautions, equipment, and all the instruments which are used in the laboratory. In the next day we observed an lab equipment used in the lab called laminar air flow cabinet, it is carefully enclosed bench designed to prevent contamination. We also observed incubator, it is a device used to grow and maintain cell cultures. Next day, we observed Gram-stain technique. Next two days also, we observed gram staining, it is a method of staining used to classify bacterial species into two large groups:- gram +ve and -ve bacteria. Gram staining technique 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 hospital. They causes typhoid fever. For this test, brushing or scraping tissue from the surface of a part your body or collecting a discharge samples from your body are required.

ACTIVITY LOG FOR THE SECOND WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	I went to the microbiology lab	observed Ziehl-Neelsen technique	ul
Day - 2	I went to the Microbiology lab	Know about Ziehl - Neelsen technique	ul
Day - 3	I went to the microbiology lab	Observed the preparation of Nutrient culture medium	ul
Day - 4	I went to the microbiology lab	know about the preparation of Nutrient culture Medium	ul
Day - 5	I went to the microbiology lab	observed the streaking technique	ul
Day - 6	I went to the microbiology lab	alloted for the washing equipments of the lab	ul

WEEKLY REPORT

WEEK - 2 (From Dt. 19/12/22 to Dt. 24/12/22)

Objective of the Activity Done:

Detailed Report:

In the first two 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 bacilli are bright red after staining. (Gram positive bacteria appear crystal violet colour and gram negative bacteria appear pink (or) red in the colour by counter staining). The next two days, we observed the preparation of nutrient culture medium, it is used as an organic nitrogen source in microbiology culture media for cultivation of 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. The next day we observed the streaking technique used in microbiology for the isolation of single colonies of microorganisms. In the last day, we observed the disposal of lab waste in different types of dustbins, there are many types of wastes but generally, they are red, blue, yellow and green according to the type of waste material. Red for plastic wastage materials, Blue for all types of glass wastes, yellow for infectious wastes.

ACTIVITY LOG FOR THE THIRD WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	I was allotted in serology department	observed the lab equipment	ll
Day -2	I went to serology lab	know about all the equipments in the lab.	ll
Day -3	I went to serology lab	observed the HCV test kit	ll
Day -4	I went to serology lab	know about the test equipments of HCV	ll
Day -5	I went to the serology lab	observe the procedure of HCV	ll
Day -6	I went to the serology lab	know about the procedure of HCV	ll

WEEKLY REPORT

WEEK - 3 (From Dt. 26/12/22 to Dt. 31/12/22)

Objective of the Activity Done:

Detailed Report: In this entire third week I was allotted in the Serology department. It was a polite meeting with staff in the lab. In the first two days, we observed the lab equipment which are used to perform various test. We observed the centrifuge, refrigerator etc. and the other instruments like micropipette, test tube, beaker, flasks and other glassware etc. The next two days in this week we observed that the test in serology lab that are procedure of HCV (Hepatitis C virus) test. 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 the serum. The serum is separated from the blood by the process of centrifugation. In this internship organization, they used a rapid in vitro diagnostic test for HCV for qualitative detection of antibodies specific to HCV simultaneously in human serum (or) plasma. HCV patients have symptoms such as pain in the abdomen, bleeding, bloating, fluid in the abdomen, (i) nausea. Whole body fatigue, fever (ii) loss of appetite and web of swollen blood vessels in the skin (iii) yellow skin and eyes. This also cause depression or weight loss.

ACTIVITY LOG FOR THE FORTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	I was allotted in the ICTC Centre	observed the counselling by Counsellor	chp
Day - 2	I went to ICTC	Know about Counselling details	chp
Day - 3	I went to ICTC	Observe the HIV test kit and procedure	chp
Day - 4	I went to ICTC	Know about HIV test procedure	chp
Day - 5	I went ICTC	Observed MERI Screen test	chp
Day - 6	I went to ICTC	Know about MERI Screen test	chp

WEEKLY REPORT

WEEK - 4 (From Dt. 2/1/23... to Dt. 7/1/23...)

Objective of the Activity Done:

Detailed Report:

In this entire fourth week, I was allotted in the same I.C.T.C department (Integrated Counselling and Testing Department) Centre. In this department, HIV Counsellor explained the role of his job and responsibility in the ICTC. HIV and AIDS Counselling has general two aims, one is prevention of HIV transmission and the support of those affected directly and indirectly by HIV. Next two days, we observed the HIV lab equipments and other instruments. We observed different types of tests for HIV - Comb aid's test, it is a rapid, sensitive dot immunoassay test for the detection of HIV-1 and HIV-2 antibodies in human plasma / serum. It is the most accurate and reliable routinely used diagnostic HIV test. The next two days, we observed the MERI screen test, it is a single used, immunochromatographic assay for the detection of antibodies specific to HIV-1 and HIV-2 in human serum. We also observed the signal HIV test is a flow-through immuno dot test for qualitative detection of antibodies to HIV-1+2 in serum. Rapid visualis two dots assay with inbuilt control dot. These are the tests done in this department. ICTC Counsellor gives counselling to those patients who are suffering from AIDS (or) HIV disease.

ACTIVITY LOG FOR THE FIFTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	I was allotted to pathology department	Observed the equipment in the lab	L
Day - 2	I went to the pathology department	know about all the equipment usage in the lab	L
Day - 3	I went to the pathology department	Observed the smearing technique	L
Day - 4	I went to the pathology department	know about smearing technique	L
Day - 5	I went to the pathology department	Observed the staining technique	L
Day - 6	I went to the pathology department	know about the staining technique and CBC	L

WEEKLY REPORT

WEEK - 5 (From Dt. 9/1/23... to Dt. 14/1/23...)

Objective of the Activity Done:

Detailed Report:

In this entire week, I was allotted in the pathology department. We observed all the lab equipment in first two days we observed the laboratory precautions, equipment and all the instruments which are used in the laboratory. The equipments which are used in the pathology lab are microscope to observe the blood count, many test tubes, stains, tubes etc are present in the lab. The next two day we observed the smearing technique of the CBC test (Complete Blood count). In smearing, two slides are used - After taking one drop of blood into one slide then smear it with the help of another slide to get tongue shape blood mass. It is very tough method. Next two days, we observed staining technique, after taking the smear slide stain it with stain and add distilled water completely to the slide. Then rub the back side of the slide with cotton. This stain slide is observed under microscope to detect the blood count includes leucocytes count, RBC count, platelet count, WBC count, Hb and etc.

ACTIVITY LOG FOR THE SIXTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	I went to the pathology lab	observed CBC test	
Day -2	I went to the pathology lab	know about CBC test	
Day -3	I went to the pathology lab	know about CBC test	
Day -4	I went to the pathology lab	observed Hb test	
Day -5	I went to the pathology lab	know about Hb test	
Day -6	I went to the pathology lab	practised Hb test	

WEEKLY REPORT

WEEK - 6 (From Dt..16/1/23.. to Dt..21/1/23..)

Objective of the Activity Done:

Detailed Report:

In this entire week, we went to the pathology lab. In the 1st two days, we observed CBC test - Complete Blood Count. It detects Rbc blood cell count and its normal value is $4.32 - 5.72$ m cells/mc for men and $3.90 - 5.03$ m cells/mc, Hb count - normal value for men is $135 - 175$ g/L and $120 - 155$ g/L, white blood cell count - normal value is $3,500 - 10,500$ cell/mc, platelet count - its normal value is $1,50,000 - 4,50,000$. It is done through practical CBC method include smearing and staining and CBC with CBC machine. - Hematology analyzer.

Next day, we practised the CBC method.

The Next 3 days, we observed practical Hb test with Hb meter. It detects Hb count in the blood.

They done this procedure through Sahli's Hb meter.

Hb meters consists of a test tube having scale. Add few drops of dilute HCl to the test tube upto zero mark and add blood using micropipette 20 μ l. Then add distilled water to the test tube until its colour matches exactly with the permanent standard brown glass compared by direct vision. we practised this Hb method.

36/84

ACTIVITY LOG FOR THE SEVEN WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	I went to the pathology lab	practised smearing	
Day -2	I went to the pathology lab	practised smearing method	
Day -3	I went to the pathology lab	practised staining method	
Day -4	I went to the pathology lab	practised CBC method (or) test	
Day -5	I went to the pathology lab	practised Hb practical test	37/84 
Day -6	I went to the pathology lab	practised Hb test	

WEEKLY REPORT

WEEK - 7 (From Dt. 23/1/23. to Dt. 28/1/23.)

Objective of the Activity Done:

Detailed Report:

This entire week, we went to the pathology lab. In the 1st day two days of this week, we observed and practised smearing method. We take more time to get perfect smear. There are many glass slide for practise smears. Taking one drop of blood onto the slide and smear it carefully with another glass slide. Perfect smear wants a lot of practise. It is very hard to get a perfect smear. Next two days, we practised staining technique. After taking smear slides, add stain to the slide and dilute ^{water} H&E is also added to the slide. And allow it for some time for the absorption of stain. Then rub the backside of slide with cotton plug. Then these are observed under microscope for cell count. Next two days, we practised Hb test using Hb meter by Sahli's method.

ACTIVITY LOG FOR THE EIGHTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	I went to the pathology lab	Observed the ESR test	
Day -2	I went to the pathology lab	Know about ESR test	
Day -3	I went to the pathology lab	practised ESR test	
Day -4	I went to the sample collection	Observed sample collection	
Day -5	I went to the sample collection	observed sample collection	
Day -6	I went to the sample collection	observed blood sample collection	

WEEKLY REPORT

WEEK - 8 (From Dt. 30/1/23.. to Dt: Dt. 4/2/23..)

Objective of the Activity Done:

Detailed Report:

First three days of this week, we went to the pathology lab, we observed the ESR test (Erythrocyte Sedimentation Rate). It measures the rate at which the RBCs or erythrocytes, in a sample of whole blood, fall to the bottom of the ESR tube. The sample is taken in the ESR tube it contains anticoagulants and this blood well mixed in the tube. ESR pipette is dipped in this tube. It shows the levels of erythrocytes. Next three days, we went to the blood sample collection, here the patients who need to undergo blood tests are have to give their blood. The patients details were recorded and then the blood sample is taken, the amount of blood is taken according to the types of tests they undergo and the sample were poured in the sample tubes, these tubes have the patients id number and then these samples were sent to the different blood and serum, plasma testing labs according to the type of test required. Generally 3ml and 5ml syringes are used in the organization.

ACTIVITY LOG FOR THE NINTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	I was allotted in the bio-chemistry lab	observed the equipments in the lab	
Day -2	I went to biochemistry lab	observed the bilirubin test	
Day -3	I went to the biochemistry lab	know about bilirubin test	
Day -4	I went to the biochemistry lab	observed calcium test	
Day -5	I went to the biochemistry lab	know about Calcium test	
Day -6	I went to the biochemistry lab	know about Calcium test procedure	

WEEKLY REPORT

WEEK - 9 (From Dt. 6/2/23.. to Dt. 11/2/23..)

Objective of the Activity Done:

Detailed Report:

In this week, we were allotted to the bio-chemistry lab and observed the equipments in the bio-chemistry laboratory. In the first three days of this week, we observed the bilirubin test in the lab. It is a yellow pigment that is present in the blood and the stool. A bilirubin test determines the levels of bilirubin in the body. In this laboratory, 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 together with blood is called direct bilirubin. High bilirubin can involve jaundice, total 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.

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	I went to the biochemistry lab	know about sample collection for creatinine test	
Day - 2	I went to the biochemistry lab	observed the creatinine test	
Day - 3	I went to the biochemistry lab	know about the creatinine test	
Day - 4	I went to the biochemistry lab	know about uric acid details	
Day - 5	I went to the biochemistry lab	observe uric acid test	
Day - 6	I went to the biochemistry lab	know about uric acid test	

ACTIVITY LOG FOR THE TENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	I went to the Biochemistry lab	know about sample collection for creatinine test	@
Day - 2	I went to the Biochemistry lab	observed the Creatinine test	@
Day - 3	I went to the Biochemistry lab	know about the creatinine test	@
Day - 4	I went to the Biochemistry lab	know about uric acid details	@
Day - 5	I went to the Biochemistry lab	observe uric acid test	@
Day - 6	I went to the Biochemistry lab	know about uric acid test	@

WEEKLY REPORT

WEEK - 10 (From Dt. 13/2/23. to Dt. 18/2/23.)

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 functions 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 the 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 shape 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. The normal value of uric acid is 3.5 - 7 mg/dL.

ACTIVITY LOG FOR THE ELEVENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	I went to the biochemistry lab	observed glucose tests of different types	@
Day - 2	I went to the biochemistry lab	know about glucose tests	@
Day - 3	I went to the biochemistry lab	know about details and reports of glucose tests	@
Day - 4	I went to the biochemistry lab	Observed cholesterol test	@
Day - 5	I went to the biochemistry lab	know about cholesterol test	@
Day - 6	I went to the biochemistry lab	know about report and details of cholesterol test	@

WEEKLY REPORT

WEEK - 11 (From Dt. 20/2/23 to Dt. 25/2/23..)

Objective of the Activity Done:

Detailed Report:

On this week in the bio-chemistry laboratory, 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 we 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. The normal value of glucose (random) is 70-140 mg/dl. In the last three weeks of this week we observed that 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 TWELVETH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	I went to the biochemistry lab	Observed protein test	@
Day - 2	I went to the biochemistry lab	know about the protein test	@
Day - 3	I went to the biochemistry lab	Observed albumin test	@
Day - 4	I went to the biochemistry lab	know about albumin test	@
Day - 5	I went to the biochemistry lab	Observed amylase test and know about it	@
Day - 6	I went to the biochemistry lab	observed and know about triglycerides test	@

WEEKLY REPORT

WEEK - 12 (From Dt. 27/2/23. to Dt. 4/3/23.)

Objective of the Activity Done:

Detailed Report:

In this entire week in this biochemistry laboratory. We observed other many tests that are performed in the biochemistry laboratory. The first one is the total protein test to measure the amount of protein in the blood and its normal value is $6-8 \text{ g/dl}$. The next test is albumin test to measure the amount of albumin in the blood. The normal value of the albumin is $3.5-5 \text{ g/dl}$. The next test is the amylase test to measure the amount of amylase enzyme in the blood and its normal value is $22-80 \text{ IU/L}$. In the next day, we observed the triglycerides test to measure the amount of fat in your blood called triglycerides. High triglyceride levels may increase the risk of heart attack. The normal value of triglycerides is $60-150 \text{ mg/dl}$. In the last day of this week, we observed the urea test to check the kidney function and its normal value is $15-40 \text{ mg/dl}$.

ACTIVITY LOG FOR THE THIRTEENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	I was allotted in the lab of gynae ward	recording details of patients	
Day - 2	I went to the lab of gynae ward	recorded the details of patients	
Day - 3	I went to the lab of gynae ward	recorded the details of patients	
Day - 4	I went to the lab of gynae ward	recorded the details of patients	
Day - 5	I went to the lab of the gynae ward	recorded the details of patients	
Day - 6	I went to the lab of the gynae ward	recorded the details of the patients	

WEEKLY REPORT

WEEK - 13 (From Dt. 6/3/23 to Dt. 11/3/23...)

Objective of the Activity Done:

Detailed Report:

In this entire week, I was allotted in the lab present in the gynec ward. In this lab, all tests were done belonging to pathology, microbiology and biochemistry tests only to the pregnant women. In this entire week, I collected all the details of each and every patients who is pregnant. To come this ward for tests. I wrote all the details about pregnant women such as their name, husband name, address, adhar number, LMS date etc for the records. Mainly two tests were done more frequently for pregnant women in this lab. One is Urine test and Glucose test. I helped in the mixture of glucose to the water for required level and give it to the pregnant women for the tests. I carried out their blood samples in the laboratory. Many people came to this gynec ward. I recorded all the details of pregnant women and report the number to the faculty.

ACTIVITY LOG FOR THE FOURTEENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	I was allotted in the Vaccination Centre	recorded the details about Childrens	J. Wign PHN U.F.W.C. S.K.L.M
Day -2	I went to Vaccination Centre	recorded the details about Childrens	J. Wign PHN U.F.W.C. S.K.L.M
Day -3	I went to vaccination Centre	recorded the details about Childrens	J. Wign PHN U.F.W.C. S.K.L.M.
Day -4	I went to the Vaccination Centre	recorded the details about Childrens	J. Wign PHN U.F.W.C. S.K.L.M
Day -5	I went to the Vaccination Centre	recorded the details about Childrens	J. Wign PHN U.F.W.C. S.K.L.M
Day -6	I went to the Vaccination Centre	recorded the details about the children	J. Wign PHN U.F.W.C. S.K.L.M

WEEKLY REPORT

WEEK - 14 (From Dt. 12/3/23 to Dt. 16/3/23.)

Objective of the Activity Done:

Detailed Report:

In this entire week, I was allotted to the Vaccination department for children. Hepatitis-B vaccine also available for the medical faculty. In the first 2 days, we introduced ourselves to the head nurse of that department. Babies from the born day to the children at the age of 16 were come to this department for vaccination. New born babies are come for the BCG vaccine. We record the all details of children who had come for the vaccination here. Mostly new born babies from this Govt and other hospitals were come for BCG. 3rd day of this week, Wednesday many people come for the vaccination. The next two days, medical students of this entire college were come for the hepatitis B vaccine. I recorded all the details about that students and faculty. The last day of this week is Saturday - it is meant for vaccination to children. At many people were come maximum on Wednesday and Thursday for the vaccination.

ACTIVITY LOG FOR THE FIFTEENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	I went to the Vaccination Centre	recorded details about vaccine for childrens	J.P.H.N
Day - 2	I went to the Vaccination Centre	recorded the details of children and pregnant women	J.P.H.N
Day - 3	I went to the Vaccination Centre	recorded the details of childrens	J.P.H.N
Day - 4	I went to the Vaccination Centre	recorded the details of childrens	J.P.H.N
Day - 5	I went to the Vaccination Centre	recorded the details of childrens	J.P.H.N
Day - 6	I went to the Vaccination Centre	recorded the details of childrens.	J.P.H.N

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report:

In this entire week, I was allotted work in the same Vaccination department. We observed the all types of Vaccines and record all the details and we give final report about that details to the higher faculty. BCG vaccine is used to newborn babies. BCG, OPV, Hepatis-B (0-dose) vaccines are injected to the newborn babies. For 6 weeks children - OPV-1 is injected, for 10 weeks babies - OPV-2 is injected, for 14 weeks babies OPV 3, Pentta-3, IPV-3, Rota-3 is injected. For 9 months babies - Measles-1, JE-1, Vit-A are used. These all are the 1st year Vaccines. For 16-24 months children, DPT-1 booster, OPV booster, MR-2, JE-2 are used. For 5-6 years children, Vit-A2, DPT-2 booster are injected. For 10 years children, TT-1 is used. For 16 years children - TT-2 is injected. For the pregnant women - TD two doses are injected, one is after confirmation of pregnancy, another one is after one of 1st dose. There are details are recorded in hospital record and MCP Card of the individual who come for Vaccination.

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 environment of GGH is Very excellent. They provide good patient care and is receiving increasing attention. The people who are worked in the GGH are very friendly and treat patients with great patience. There are many facilities available for the patients with free of cost because it is Under Government. They maintain good health care, they maintain surroundings very clean and neat. They maintain discipline in that environment. Everyone should respect each other. The faculty advises us about our future plans and jobs roles in the medical sector. They maintain time management. I had worked most of the time in the laboratories of Hospital. I had trained and examined many things like tests and medical procedures by the faculty. We are united as a team and very active, focused in the work in the hospital. They motivate us about jobs in the medical sector. ~~We~~ They create awareness about the role of medical sector in the society.

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

Many technical skills which are related to medical departments that we acquired are communication skills for developing communication between one to another people.

We have acquired problem-solving is one of the central parts of working in hospitality because we have to be able to identify the problems guests are having. To succeed in the medical industry, we need to have a strong set of soft skills. Skills are all of the behaviour, tools and knowledge that allow service to develop a positive relationship in between patients and medical faculty. Patience is the key skill need to be able to dedicate themselves to resolving an issue or treat to patience. Positivity is

also a skill which have to develop attitude. The ability to maintain a positive and outgoing attitude despite your surroundings is an demand skill for

hospitality jobs. Empathy - being able to understand others feelings using empathy and compassion is essential for recognizing the underlying issues patients face and resolving them in a appropriate way. First aid / CPR, Adhere to HIPAA, check and monitor vital signs, Assess a patients symptoms, diagnose conditions and provide appropriate treatment etc are the technical skills we have acquired

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.

There are some managerial skills that we have acquired from medical department. We learned about proper planning of a work. We maintain leadership in a group and it is very important for unity of the team. We develop teamwork among ourselves - we follow each others instructions. We developed a well discipline behaviour by this medical environment. We have developed the punctuality and proper usage of time. We have developed our own decision making skills and we performed here as a MLT students, we have worked with them, they treat us same as their students. We have kept a lot of observation on everything important for our weekly wise. We all discuss about P's and P's in our working environment, we all kept our goals for the future journey. We also have also developed decision making skills which are essential for the future.

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.,)

We have improved our communication skills in the medical department. We used elements of non-verbal communication such as facial expression, eye contact, body language, gestures, posture and tone of voice. Simply smiling can go a long way. We can use to show interest in what the patient is saying by maintaining eye contact and nodding your head. It enables healthcare providers to establish rapport with their patients, solicit crucial health information, and work effectively with all members of organization and public. It can be tool for that transforms the quality of care, which can ultimately improve patient outcomes. Lack of communication creates situations where medical errors can occur. I have improved 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, greetings, thanking and appreciating others etc.

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

The government has taken a big leap in implementing technology in medical systems to amplify digital and medical modern technological.

The RIMS hospitals, Sriakulam was well maintained sophisticated devices in the procedure.

I enhance my abilities in group discussions, I had to practice before discussion, I had improve my speaking and reasoning skills and practiced active listening. and in maintained polite nature.

One of the best ways to encourage and participation and engagement with team, that prompt reflection, analysis or discussion, and active listening to speakers.

I also improved team leader skills- offering a help to the team members, being supportive ~~in~~ and encouraging, praising team members for good work, giving credit to others, showing empathy for people with difficult tasks, communicating effectively, working to improve team morale in difficult times.

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

The Government General Hospital (GGH), Srikalms has many technological developments. They maintained very well and sophisticated devices in the procedures. More specifically, medical technology development can be defined as multi-stage process through which a new biological or chemical agent, prototype medical device or clinical procedure is technically modified and clinically evaluated until it is considered ready for general use. Here, each and every department has various devices for treating patients. Various many advanced equipments are available in this hospital. The departments such as pathology, microbiology, biochemistry have various equipments and scan and x-ray rooms have very specialized devices to diagnose patients. Very latest and advanced machines are available here.

Student Self Evaluation of the Short-Term Internship

Student Name: NETHALA LIKHITHA

Registration No: 202200104A055

Term of Internship: From: 12-12-2022 To: 16-3-2023

Date of Evaluation:

Organization Name & Address: Government General Hospital (RIMS),
San Balaga, 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:

N. Likhitha
Signature of the Student

Evaluation by the Supervisor of the Intern Organization

Student Name: N. Likhilpa

Registration No: 9022001049055

Term of Internship: From: 12-12-2022 To: 16-3-2023

Date of Evaluation:

Organization Name & Address: GGH (RIMS), Balaga, 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

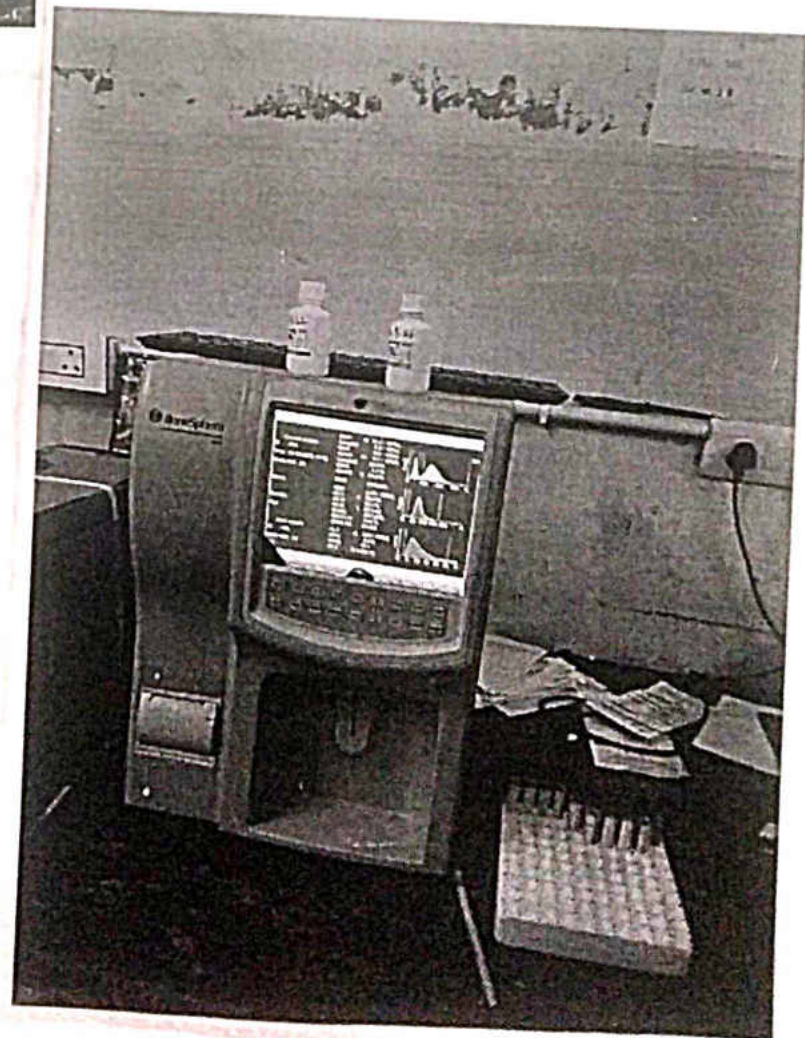
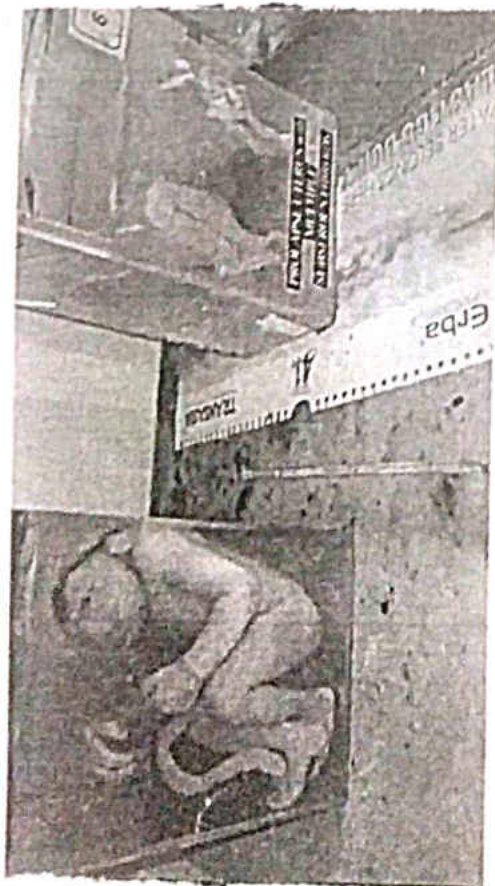
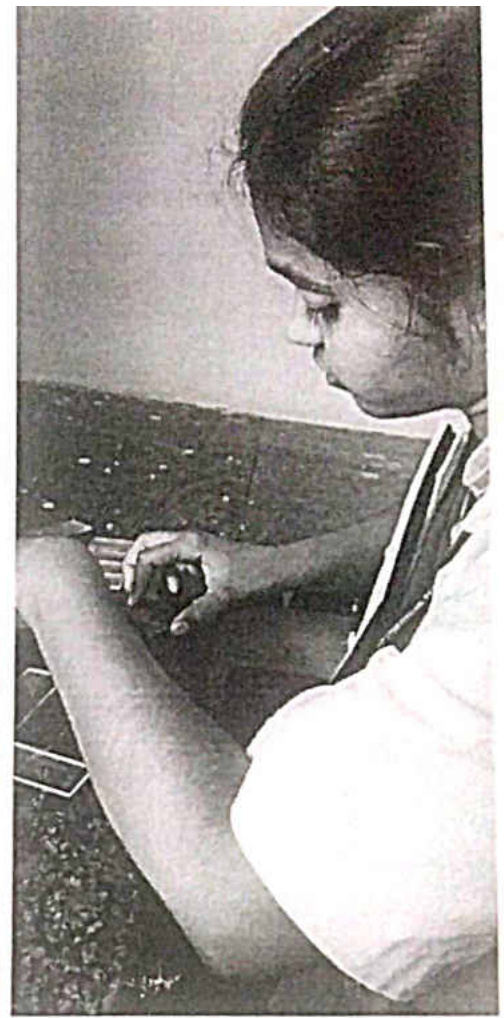
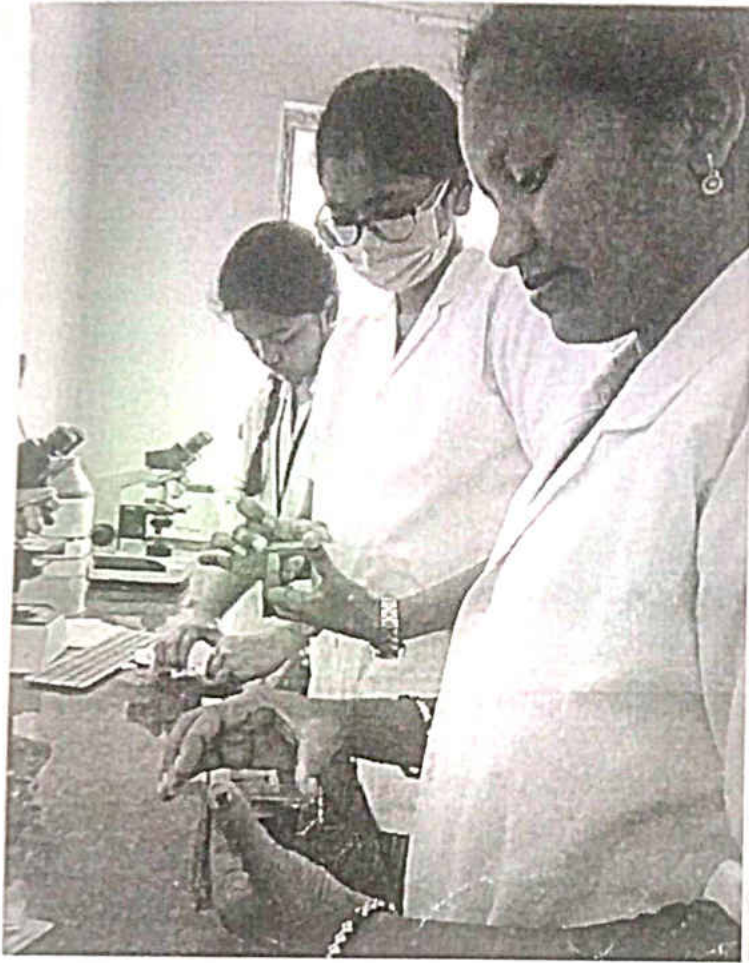
Rating Scale: 1 is lowest and 5 is highest rank

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:

Signature of the Supervisor

PHOTOS & VIDEO LINKS



Internal & External Evaluation for Semester Internship

Objectives:

- Explore career alternatives prior to graduation.
- To assess interests and abilities in the field of study.
- To develop communication, interpersonal and other critical skills in the future job.
- To acquire additional skills required for the world of work.
- To acquire employment contacts leading directly to a full-time job following graduation from college.

Assessment Model:

- There shall be both internal evaluation and external evaluation
- The Faculty Guide assigned is in-charge of the learning activities of the students and for the comprehensive and continuous assessment of the students.
- The assessment is to be conducted for 200 marks. Internal Evaluation for 50 marks and External Evaluation for 150 marks
- The number of credits assigned is 12. Later the marks shall be converted into grades and grade points to include finally in the SGPA and CGPA.
- The weightings for Internal Evaluation shall be:
 - Activity Log 10 marks
 - Internship Evaluation 30 marks
 - Oral Presentation 10 marks
- The weightings for External Evaluation shall be:
 - Internship Evaluation 100 marks
 - Viva-Voce 50 marks
- The External Evaluation shall be conducted by an Evaluation Committee comprising of the Principal, Faculty Guide, Internal Expert and External Expert nominated by the affiliating University. The Evaluation Committee shall also consider the grading given by the Supervisor of the Intern Organization.
- Activity Log is the record of the day-to-day activities. The Activity Log is assessed on an individual basis, thus allowing for individual members within groups to be assessed this way. The assessment will take into consideration

the individual student's involvement in the assigned work.

- While evaluating the student's Activity Log, the following shall be considered -
 - a. The individual student's effort and commitment.
 - b. The originality and quality of the work produced by the individual student.
 - c. The student's integration and co-operation with the work assigned.
 - d. The completeness of the Activity Log.
- The Internship Evaluation shall include the following components and based on Weekly Reports and Outcomes Description
 - a. Description of the Work Environment.
 - b. Real Time Technical Skills acquired.
 - c. Managerial Skills acquired.
 - d. Improvement of Communication Skills.
 - e. Team Dynamics
 - f. Technological Developments recorded.

MARKS STATEMENT
(To be used by the Examiners)

INTERNAL ASSESSMENT STATEMENT

Name Of the Student: N. Likhitha
Programme of Study: medical department
Year of Study: 2022-2023
Group: BSc - BZC (Em)
Register No/H.T. No: 2022001049055
Name of the College: GDC (MEN), skm
University: Dr. B.R. Ambedkar University

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

Date:

Signature of the Faculty Guide

EXTERNAL ASSESSMENT STATEMENT

Name Of the Student: *N. Likhitha*
Programme of Study: *Medical department*
Year of Study: *2022-2023*
Group: *III BZC (Em)*
Register No/H.T. No: *2022001049055*
Name of the College: *GDC (MEN), SKLM*
University: *Dr. B.R. Ambedkar University*

SLNo	Evaluation Criterion	Maximum Marks	Marks Awarded
1.	Internship Evaluation	80	
2.	For the grading giving by the Supervisor of the Intern Organization	20	
3.	Viva-Voce	50	
	TOTAL	150	
GRAND TOTAL (EXT. 50 M + INT. 100M)		200	

Signature of the Faculty Guide



Signature of the Internal Expert

Usha Babu
19/7/23

Professor & HOD
Department of Biochemistry
Government Medical College
Srikakulam-532001

Signature of the External Expert

Signature of the Principal with Seal