

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 :- Tundaka, Tarun

Name of the college :- Government Degree college (Men) SriKakulam

Registration number :- 2022001056028

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 Ambedhkar university SriKakulam University

YEAR

An Internship Report on

Medical

(Title of the Semester Internship Program)

Submitted in accordance with the requirement for the degree of

Vth Semester III CBMB

Under the Faculty Guideship of

Dr. D. Ravindra

(Name of the Faculty Guide)

Department of

Govt Degree College (men) BOTANY

(Name of the College)

Submitted by:

Tundaka, Tareem

(Name of the Student)

Reg.No: 2022001056028

Department of microbiology

Government Degree College (men) Srikalaulam

(Name of the College)

Student's Declaration

I, Tundaka Tarun a student of B.Sc IIIrd year
Program, Reg. No. 2022001056028 of the Department of CBMB GDC (men)
College do hereby declare that I have completed the mandatory internship
from 7/12/2022 to 18/03/2023 in G161H SriKakulam (Name of
the intern organization) under the Faculty Guideship of
D. Ravindrasiv (Name of the Faculty Guide), Department of
Botany, GDC (men) SriKakulam
(Name of the College)

T. Tarun
(Signature and Date)

Official Certification

This is to certify that Tundaka, Tareem (Name of the student) Reg. No: 2022001056028 has completed his/her Internship in GGH 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 GDC(men) Srikakulam (Name of the College).

This is accepted for evaluation.

D. Ray
(Signatory with Date and Seal)

Lecturer in Botany
Govt. Degree College
SRIKAKULAM

Endorsements

Faculty Guide

D. Ray

MS
Head of the Department

Bul
Principal

PRINCIPAL
Government Degree College (Men)
SRIKAKULAM

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Certificate from Intern Organization

This is to certify that Tundaka Tarun (Name of the intern)
Reg. No 2022001056028 of GIDC (nen) Srikakulam (Name of the
College) underwent internship in GIDC Srikakulam (Name of the
Intern Organization) from 7th Dec 2022 to 18th May 2023

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

[Signature]
In-charge
Microbiology - Clinical Lab
GIDC Srikakulam

K. Saradamba
Dr. K. SARADAMBA, M.D
Professor & HOD
Department of Bio Chemistry
Government Medical College
SRIKAKULAM-532 001

[Signature]
19/7/23

Acknowledgements

This Hospital in we are highly obligated to respected to Dr. Shri polabhaskar Commissioner for providing a great opportunity for internship.

we are greatful to our Dr. P. Suresha principle GIDC (men) Srikalaiam for her sincere encouragement towards internship.

we are Thankful to Sr. B. Mohan Rao Coordination for internship for his Continuous Co-ordination and Communication with Students.

we are greatful to Dr. D. Ravindra Sir Lecturer in Botany Class mentor for his Continuous monitoring for the his Continuous monitoring for the entire internship.

Rmo Assistant professor HOD and lab technician of GIDH Thankful So much for giving the opportunity to complete my internship at GIDH. I have learnt so much and Appreciate the time you spent leading my new skills and useful medical tests.

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

many technological improvements and developments can be seen in the internship organization which include firstly from the lab equipments which have automatic temperature controls automatic on/off systems heavy weight lift deep freezing fridges Fire extinguishers systems mobile ambulance within Life support.

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

large numbers of data analysis systems.

Recording patients data in Government servers. providing Digital identify for the staff and as well as for the patients.

many technological upgraded mechanaries are introduced in the organisation which include total blood cells Counter CD-4 machine Bio reactor etc.

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

- 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 you speak.
- Trying to stick to the discussion point etc.
- I have improved my leadership skills in the internship program by identifying my strength and weakness.
- Taking management advices.
- By determining your goals.
- Admitting when failure arised by you etc, one's abilities can be improved at a observation of superior and Their behaviours.
- Their communicational skills and Their job completion skills.

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 procedure of a test, expressing the opinion on something, sharing the known information etc. writing the tests reviewed 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 in case of observing errors. Understanding the others 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 the managerial skills you have acquired (in terms of planning, leadership, team work, behaviour, workmanship, productive use of time, weekly improvement in competencies, goal setting, decision making, performance analysis, etc).

According to world economic forum managerial skills are in top 10 skills required for today's work force. In this internship I have acquired many important skills which are required for good performance in the work. planning schedule properly helps in time management. working together results in good team work. Leading the team for good result, maintaining good behaviour. Completing the assigned work properly. Improving day by day results in good productivity. Setting a goal and working to pursue it is important. Having confidence in decision making is of the best thing I have learnt in the internship.

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

Managing to complete the full work assigned in the day is also important. maintaining good relation with each other. Controlling the anger using good examples to self motivation learning from mistakes observing seniors for good skill development etc, are the managerial skills I have acquired during this internship.

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 chambers, 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 blood. Smear technique.

Different types of method of culture techniques. Using autoclave for sterilization counts method for HIV test.

Counselling skills of for patients.

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

The Internship organization allotted for me is Government General Hospital Sriekulam 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 test by the doctor. The doctor suggests these lab tests based on the condition and symptoms developed by the patients.

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.

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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 save 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 microorganisms 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 functioning for emergency response and other basic treatment.

The employees in the organization are 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 planning to develop the organization for treatment of many other disease 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) Srikalaiam

In the medical department. I worked in The Lab. I did many tests, Like PCR, Electrolysis and total blood count tests and Hemoglobin.

In the Lab, There are two sectors of department and there were many machines with high sophisticated techniques and test tools are there for conducting various tests for patients very accurately.

I did many tests with full of attention and with full focus during collection of Blood Samples and in urine tests.

I conducted many tests like Blood grouping determination etc. under the supervision of my seniors and madams.

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

CHAPTER 5: OUTCOMES DESCRIPTION

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

The work place for the intern during the internship is pleasant, non-stop continuous. Every one was assigned with their respective work. People in the organization are good at elaborating their work with students. Sufficient facilities are available for work space and for non-disturbing process. They maintain the equipment every one in the organization performs 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 are 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.

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	Rin
Day - 2	we went to The serology lab and observed The tests done in The Lab	I have Learned The Usage of Lab equipment	Rin
Day - 3	we went to The serology Lab and observed The Tests done in The Lab	I Have Learned The Usage of Lab equipment.	Rin
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)	Rin
Day - 5	we went to The serology lab and observed The Tests done in The Lab.	I have observed The H.C.V Test	Rin
Day - 6	we went to The serology lab and observed The tests done in The lab.	I Have observed The H.C.V Test.	Rin

WEEKLY REPORT

WEEK - 1 (From Dt. 01/12/22 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, beakers, flasks and other glass ware etc. and the first three procedures 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 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 observed the malaria test.	Rin
Day - 2	we went to the Serology lab and observed the tests done in the lab.	I have observed the malaria test.	Rin
Day - 3	we went to the Serology lab and observed the tests done in the lab.	I have observed the malaria test.	Rin
Day - 4	we went to the Serology lab and observed the tests done in the lab.	I have observed the malaria test.	Rin
Day - 5	we went to the Serology lab and observed the tests done in the lab.	I have observed the malaria test.	Rin
Day - 6	we went to the Serology lab and observed the tests done in the lab.	I have observed the CRP (C-reactive protein) Test.	Rin

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/r 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 serious disease caused by a parasite. parasites That cause malaria are passed to Humans Through The bite of infected mosquito. malaria is Common in tropical and sub-tropical areas. So, malaria is Common in tests are regularly conducted in The organization. CRp test a 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 CRP test.	Ri
Day -2	we went to the serology lab and observed the tests done in the lab.	I have observed the CRP test.	Ri
Day -3	we went to the serology lab and observed the tests done in the lab.	I have observed the CRP Test.	Ri
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.	Ri
Day -5	we went to the serology lab and observed the tests done in the lab.	I have observed HBsAg test.	Ri
Day -6	we went to the serology lab and observed the tests done in the lab.	I have observed HBsAg Test.	Ri

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 CRP Test and The next last Three days observed The HBsAg tests. 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 of this week observed HBsAg test. (Hepatitis - B Surface Antigen) is a rapid in vitro diagnostic test for qualitative detection of Hepatitis B surface antigen in human Serum (or) plasma. It is a viral infection that attacks The Liver. In the infection Internship organization they also provide free medicine and free infection. we also 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) Test.	Cmy
Day -2	we went to the Serology Lab and observed the tests done in the Lab.	I have observed ASO test.	Cmy
Day -3	we went to the Serology lab and observed the Tests done in the Lab.	I have observed Widal Test.	Cmy
Day -4	we went to the Serology lab and observed the Tests done in the Lab.	I have observed the Widal Test.	Cmy
Day -5	we went to the Serology lab and observed the Tests done in the Lab.	I have observed the Widal Test.	Cmy
Day -6	we went to the Serology Lab and observed the Tests done in the Lab.	I have observed the Widal Test.	Cmy

WEEKLY REPORT

WEEK - 4 (From Dt. 27/12/22 to Dt. 03/01/23)

Objective of the Activity Done:

Detailed Report: In this entire fourth 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 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 learned observe The counselor Giving Counselling The patients.	any
Day - 2	we went to the I.C.T.C Department and observed The Counselor giving counselling	I Have observed The Counselor giving counselling to the patients.	any
Day - 3	we went to the I.C.T.C department and observed The Counselling.	I Have observed The Counselor giving counselling to the patients.	any
Day - 4	we went to the I.C.T.C department and observed The Counselling.	I have observed the Counselor giving counselling to the patients.	any
Day - 5	we went to the I.C.T.C department and observed The Counselling	I have observed The Counselor giving counselling to the patients.	any
Day - 6	we went to the I.C.T.C department and observed The Counselling.	I have observed The Counselor giving counselling to the patients.	any

WEEKLY REPORT

WEEK - 5 (From Dt. 04/11/23 to Dt. 07/11/23)

Objective of the Activity Done:

Detailed Report: In this entire fifth week we were allotted in the I.CTC (Integrated Counselling and Testing Centre) Department. In this Department we were introduced our self 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 gives us Good knowledge own feelings The patients Vapo 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 behavioral 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.	any
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.	any
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.	any
Day - 4	we went to The H.I.V Testing lab and observed The tests done in lab.	I have observed the Comb AIDS Rapid Test.	any
Day - 5	we went to The H.I.V Testing lab and observed The tests done in Lab.	I have observed The MERI SCREEN Rapid Test.	any
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.	any

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report:

In This 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 immuno assay 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 the test called MERI SCREEN HIV test, it is a single used, immuno chromatographic 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.	eny
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.	eny
Day -3	we went to the H.I.V testing Lab and observed The tests done in the Lab.	I have observed The signal H.I.V tests.	eny
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 Tests.	eny
Day -5	we went to the H.I.V Testing Lab and observed The tests done in the Lab.	I have observed The signal H.I.V Tests.	eny
Day -6	we went to the H.I.V testing Lab and observed The tests done in the Lab.	I have observed The signal H.I.V Tests.	eny

ACTIVITY LOG FOR THE EIGHTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	we went to the microbiology lab and observed the Tests done in the Lab	I Have observed the Lab equipment and the instruments in the Lab.	<u>Any</u>
Day - 2	we went to the microbiology lab and observed the tests done in the Lab.	I Have observed the Lab equipment and the instruments in the Lab.	<u>Any</u>
Day - 3	we went to the microbiology lab and observed the Tests done in the Lab.	I Have observed the Lab equipment and the instruments in the Lab.	<u>Any</u>
Day - 4	we went to the microbiology lab and observed the Tests done in the Lab.	I Have observed the Lab Laminar Air flow chamber.	<u>Any</u>
Day - 5	we went to the microbiology lab and observed the Tests done in the lab.	I have observed the incubator and Autoclave.	<u>Any</u>
Day - 6	we went to the microbiology lab and observed the Tests done in the Lab.	I have observed the Gram-stain Technique.	<u>Any</u>

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 weeks 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 we observed 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 carefully enclosed bench designed to prevent contamination of semiconductor wafers, biological samples, or any particles sensitive materials. Air is filtered by HEPA filter and then in a very smooth laminar flow towards the user. It may have a UV 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. The gram stain

ACTIVITY LOG FOR THE NINTH 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.	Ayy
Day - 2	we went to the microbiology lab and observed the tests done in the Lab.	I have observed the Gram-stain Technique.	Ayy
Day - 3	we went to the microbiology Lab and observed the tests done in the lab.	I have observed the Gram-stain Technique.	Ayy
Day - 4	we went to the microbiology lab and observed the tests done in the Lab.	I have observed the Ziehl-Nelson stain technique.	Ayy
Day - 5	we went to the microbiology Lab and observed the tests done in the Lab.	I have observed the Ziehl-Nelson stain Technique.	Ayy
Day - 6	we went to the microbiology Lab and observed the tests done in the Lab.	I have observed the Ziehl-Neel-son stain Technique.	Ayy

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 ITC department. In the first two days we observed the MERISCREEN 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 or plasma. Rapid visual two dots assay with in built control dot. These are the tests done in the organization. HIV damages the Immune System and interferes with the body'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, more and more importance is given to the disease.

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WEEKLY REPORT

WEEK - 9 (From Dt. 03/02/23 to Dt. 09/2/23)

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 mycobacterial the 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.

ACTIVITY LOG FOR THE TENTH WEEK

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

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 propagation 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 the 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 dust bins. There are many types of bins. 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 went Alloted to the blood sample collection Area.	I have learned The method to collect blood from The patient.	Asy
Day - 2	we were allotted to the blood sample collection area.	I have Learned The method to collect blood from The patient.	Asy
Day - 3	we were allotted to the blood sample collection Area	I have Learned The method to collect blood from The patient.	Asy
Day - 4	we were allotted to the blood sample collection Area	I have learned The method to collect blood from The patient.	Asy
Day - 5	we were allotted to the blood sample collection area.	I have learned The method to collect blood from The patient.	Asy
Day - 6	we were Allotted to The blood sample collection area.	I have learned The method to collect blood from The patients.	Asy

WEEKLY REPORT

WEEK - 11 (From Dt 20/02/23 to Dt.....27/2/23)

Objective of the Activity Done:

Detailed Report: In This entire week we were allotted in the Blood Sample Collection area hence the patients when need to undergo blood tests we have to Give Their blood. firstly the patients details were recorded and then the blood sample is taken. The amount of blood taken is According to the types of blood tests They undergo and The sample were poured in the sample tubes, These tubes have the patients Id number and then the tubes have patients id. plasma testing labs According to the type of test required. hence 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 Bio-chemistry 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 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 observed The Tests done in The Lab.	I have observed The process of Calcium Test.	@
Day -5	we were allotted to the Bio-chemistry Lab and we observed The Tests 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 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 tests in the lab. It is a yellow pigment that is in blood and stool. A bilirubin in the body. In the organization they test for direct bilirubin attached by the liver for to glutamic 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 high bilirubin can involve Jaundice. Total bilirubin normal value is 0.2-1 mg/dL and direct bilirubin value is 0-0.4 mg/dL. In 3 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 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 creatine 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 creatine 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.	@

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 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 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 cholesterol Tests.	@

WEEKLY REPORT

WEEK - 13 (From Dt. 07/03/23 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 are performing their job of filtering waste from your blood. it is a chemical compound left over from energy-producing process in your muscles. Healthy kidney filter creatinine out of the blood. Creatinine exists your body as a waste product in urine. Normal value of creatinine in the blood is 0.5 - 1.5 mg/dL. In the last three days of the this week we observed the uric acid test. it measure 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 are come your cells. when die. Gout is a type of arthritis that causes painful swelling in your joints also causes kidney stones (or) kidney failure it normal value is 3.5 - 7 mg/dL.

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 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.

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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.	(a)
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.	(a)
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.	(a)
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.	(a)
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.	(a)
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.	(a)

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report: This is the last of the internship in the organisation. In this week we observed many tests that are performed in the Bio-chemistry Lab. The first amount of protein in the blood its normal value is 6-8 g/dL. Next test is Albumin test to measure the amount of 6-8 g/dL. Albumin measure the amount 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.

EVALUATION

Page No



Student Self Evaluation of the Short-Term Internship

Student Name: Teendaka Tareen

Registration No:

Term of Internship:

From: 7th Dec 2022

To: 2022001056028
18th Mar 2023

Date of Evaluation:

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

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:

T. Tareen
Signature of the Student

Evaluation by the Supervisor of the Intern Organization

Student Name: Tundaka, Tarun

Registration No: 2022001056028

Term of Internship:

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

Date of Evaluation:

Organization Name & Address: Government General Hospital (GGH)
Srikakulam

Name & Address of the Supervisor
with Mobile Number

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

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

Rating Scale: 1 is lowest and 5 is highest rank

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

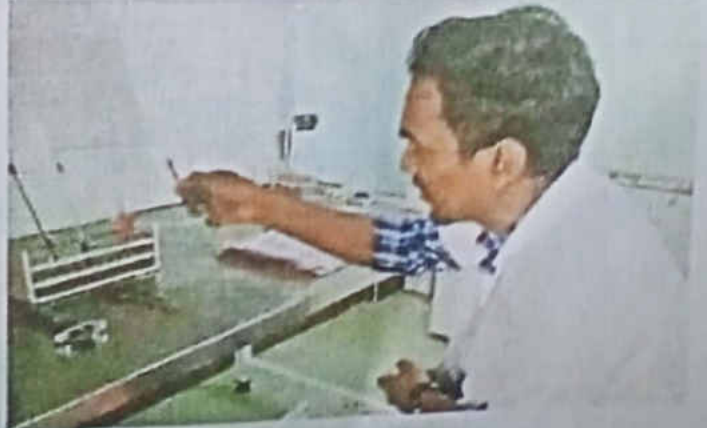
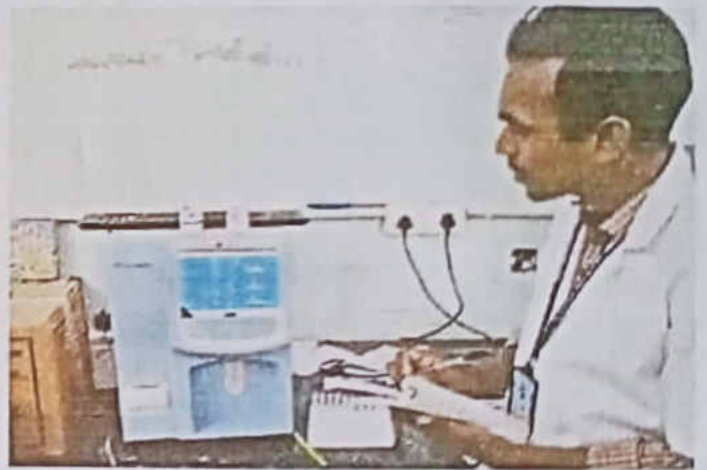
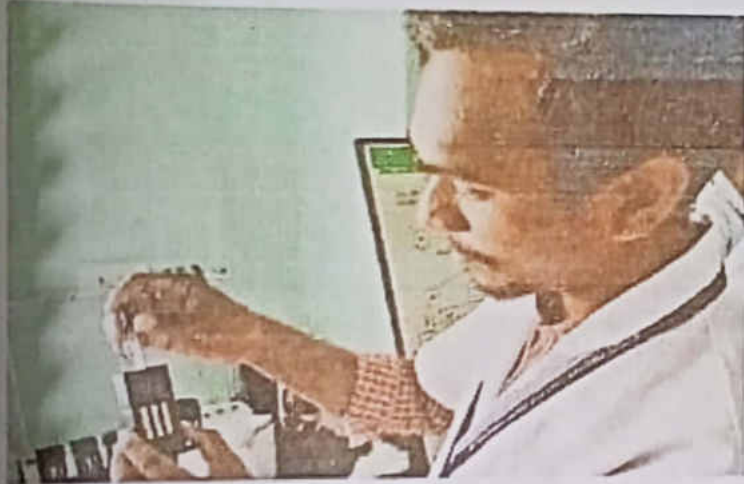
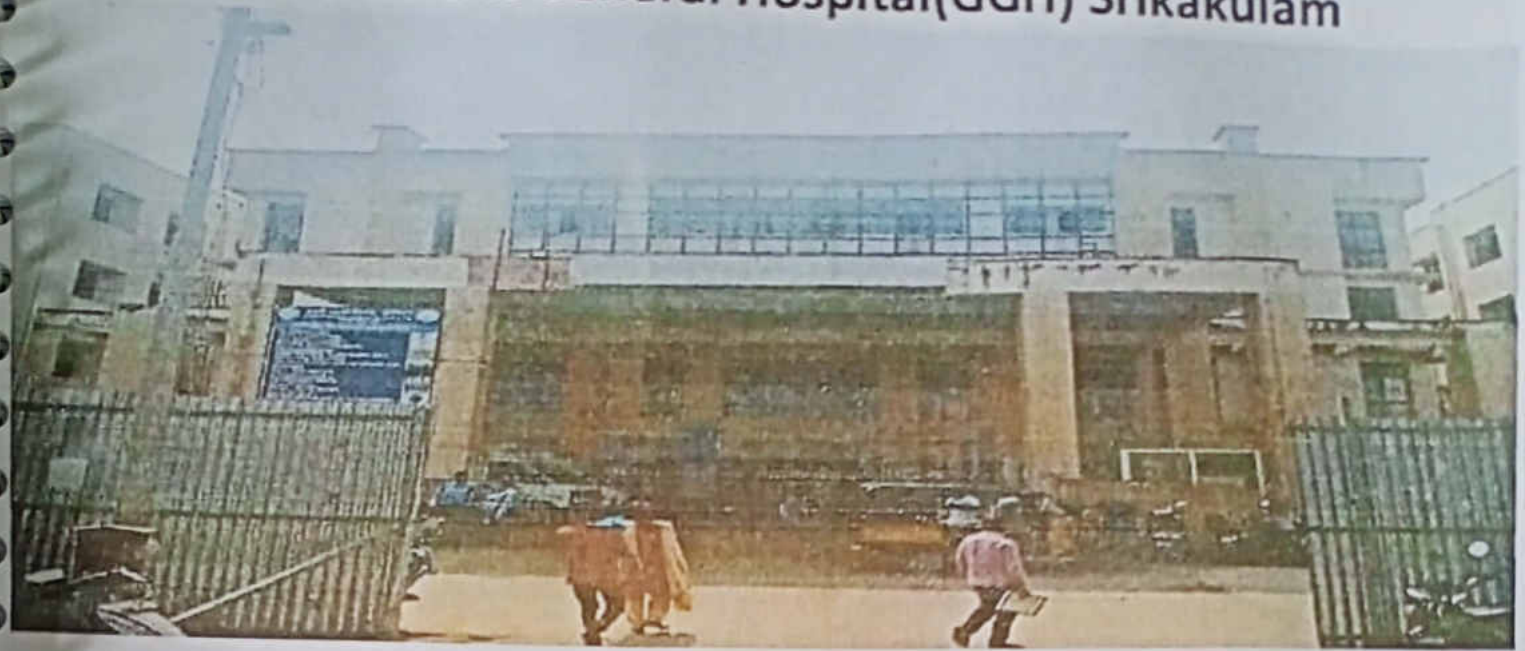
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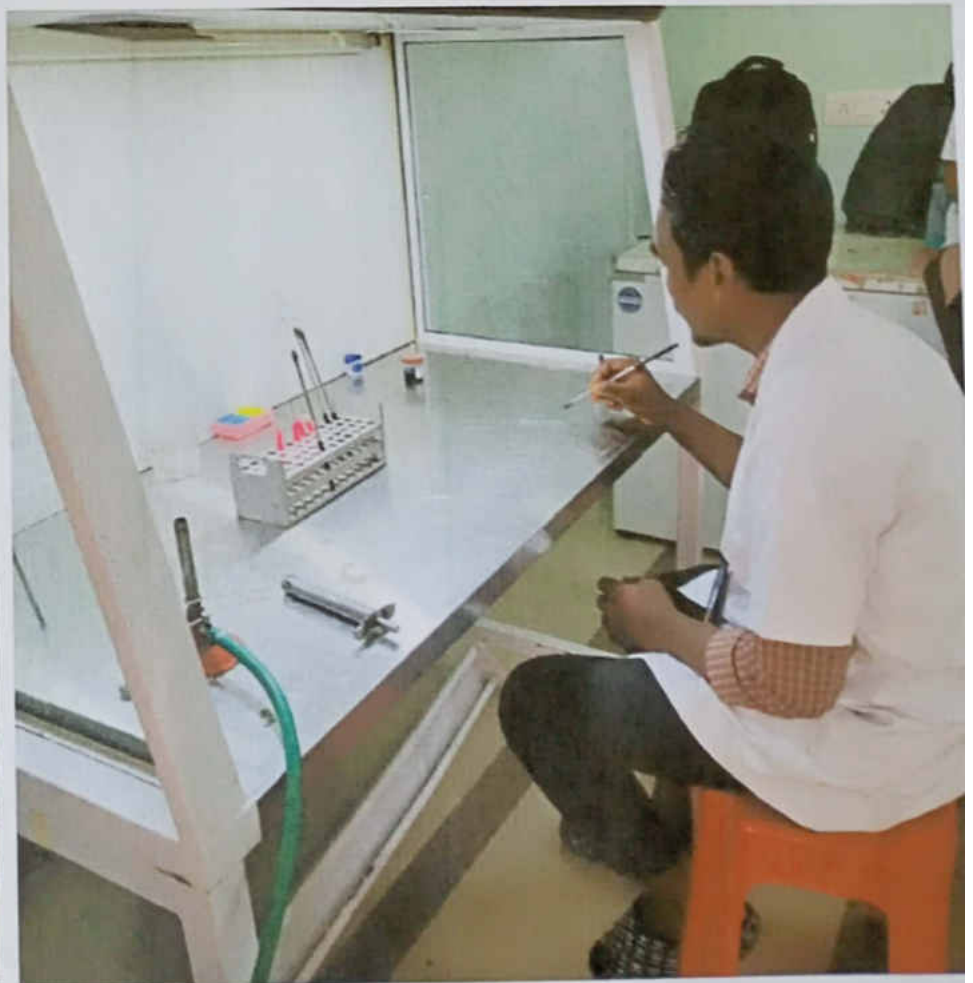
Signature of the Supervisor
Department of Micro-Ecology
GGH-SRIKAKULAM

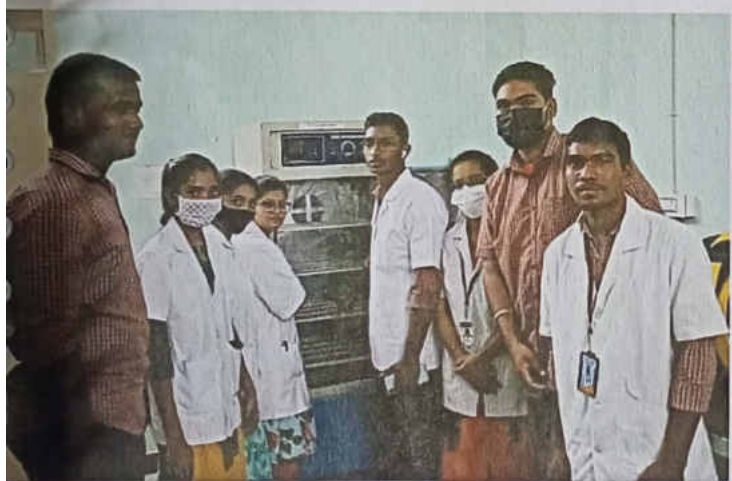
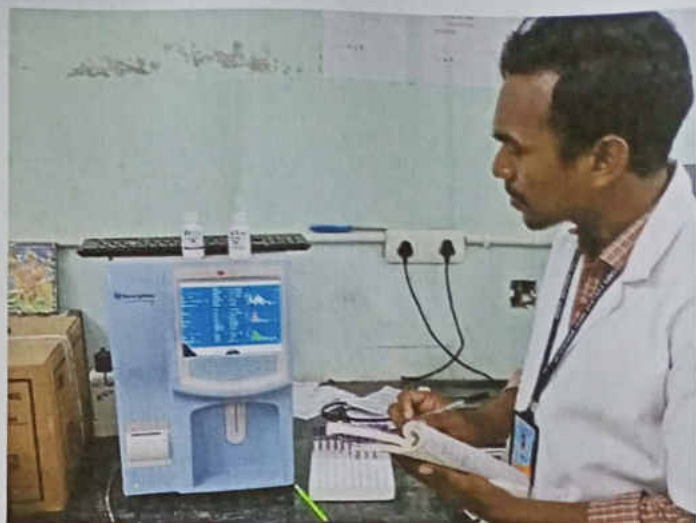
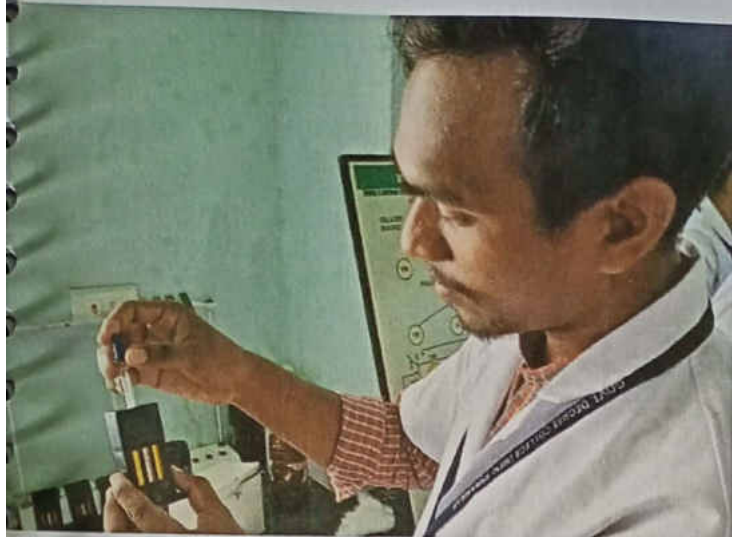
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Government General Hospital(GGH) Srikakulam







MARKS STATEMENT
(To be used by the Examiners)

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EXTERNAL ASSESSMENT STATEMENT

Name Of the Student: Tundaka, Tarun
Programme of Study: 4th months Internship
Year of Study: 2020-2023
Group: BSC CBMB
Register No/H.T. No: 202200/056028
Name of the College: Government Degree college (men) Srikakulam
University: Dr. B.R. Ambedkar

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	47
	TOTAL	150	147
GRAND TOTAL (EXT. 50 M + INT. 100M)		200	196

Signature of the Faculty Guide D. Ravi

Signature of the Internal Expert K. Saurav

Signature of the External Expert

Prof. K. S. Suresh
19/7/23

Signature of the Principal with Seal

PRINCIPAL
Government Degree College (Men)
SRIKAKULAM

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INTERNAL ASSESSMENT STATEMENT

Name Of the Student: Teundaka, Tareen

Programme of Study: 4 months Internship

Year of Study: 2020-2023

Group: Bsc CBMB

Register No/H.T. No: 2022001056028

Name of the College: Government Degree College (men) Srika Kalan

University: Dr. B.R. Ambedkar

Sl.No	Evaluation Criterion	Maximum Marks	Marks Awarded
1.	Activity Log	10	10
2.	Internship Evaluation	30	29
3.	Oral Presentation	10	10
	GRAND TOTAL	50	49

Date: 18/07/2023

D. Rany
Signature of the Faculty Guide

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