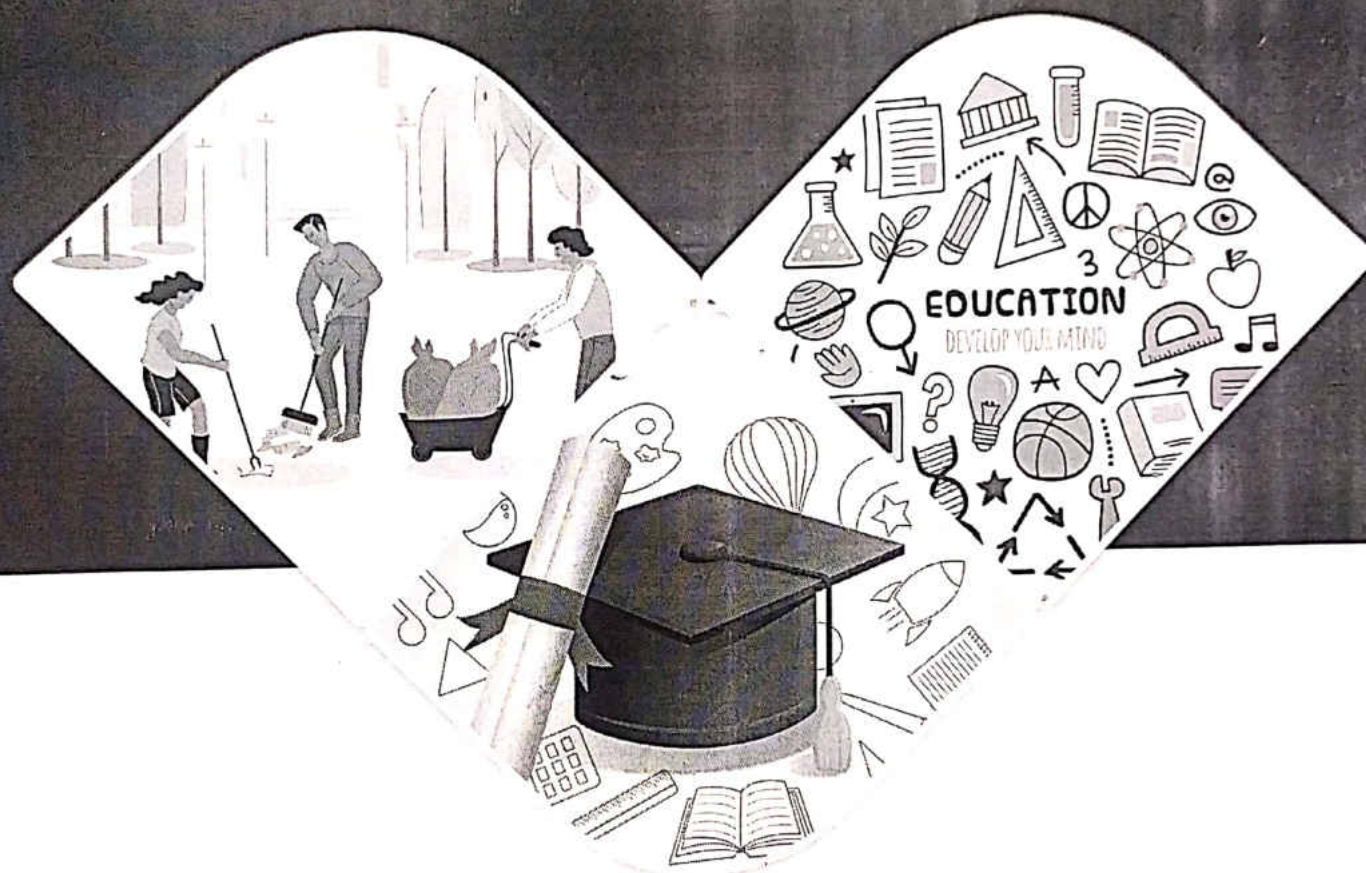


Model Program Book



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: ARIKA RAJESH KUMAR

Name of the College: Government Degree college (MEN)
Srikakulam

Registration Number: 20220010500021

Period of Internship: From: 12.12.22 To: 18.03.23

Name & Address of the Intern Organization

A.P State Disaster Response and Fire
Services Department

Dr. B.R. Ambedkar **University**
YEAR

An Internship Report on

Andhra Pradesh State Disaster Response & Fire
Services Department
(Title of the Semester Internship Program)

Submitted in accordance with the requirement for the degree of
BSc (M.P.Cs)

Under the Faculty Guideship of

Ravi Kumar

(Name of the Faculty Guide)

Department of physics

Government Degree College (Men), Srikakulam

(Name of the College)

Submitted by:

Arika. Rajesh Kumar

(Name of the Student)

Reg.No: 20220010 500021

Department of physics

Government Degree college (MEN) Srikakulam

(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, Arikan. Rajesh Kumar a student of 4 months Internship
Program, Reg. No. 2022D01050002 of the Department of physics
College do hereby declare that I have completed the mandatory internship
from 09.12.22 to 18.03.23 in A.P. State Disaster Response ^{Fire Services Department} (Name of
the intern organization) under the Faculty Guideship of
Ravi Kumar (Name of the Faculty Guide), Department of
physics, Government Degree College (MEN) Sri Kalakulam
(Name of the College)

A. Rajesh Kumar
(Signature and Date)

Official Certification

This is to certify that Arike. Rajesh Kumar (Name of the student) Reg. No. 2022001050002 has completed his/her Internship in A.P. State Disaster Response Fire Services Department (Name of the Intern Organization) on Fire Services Department (Title of the Internship) under my supervision as a part of partial fulfillment of the requirement for the Degree of physics in the Department of Government Degree College (Name of the College).
(men) Sri K. Kufam

This is accepted for evaluation.

(Signatory with Date and Seal)

Endorsements

Faculty Guide


- 20/04/23

Head of the Department

Principal

Certificate from Intern Organization

This is to certify that Arika. Rajesh Kumar (Name of the intern)
Reg. No 20220010500021 of Govt. Degree college (Name of the
College) underwent internship in A.P State Disaster Response Fire Services Department (Name of the
Intern Organization) from 09.12.22 to 18.03.23

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

[Signature]
District Fire Officer
Authorized Signatory with Date and Seal
A.P.S.D.R. & Fire Services
Fire Station Srikakulam
18/3/23

Acknowledgements

This Fire Station Internship Report is due end of a way four months. It would not have been possible without the participations assistance of nervous brave and courageous people along the way. This I have to thank's them all.

First I would like to give special graduate to my parents, who gave me an opportunity to keep my step a hand.

I am indebted to my college Teachers and the principal for their vision encouragement and enduring interest in the Internship.

I extended my graduate to my classmates and specially to our group member with who I started are my dark days together we started our Academic and social problems.

Special thank must be given to be Sirs and officers of Fire Department in Srirangulam. In this feedback have and support with which I achieved skills and development lost and must

Contents

What are the Different classes of Fires?

While fire can seem like a big threatening force, it's important to know that there are actually several classes of fires. A fire class can determine how active it burns, how dangerous it is, and the best way to suppress or put it out. The 5 different classes of fire each have their own best approach to put them out safely and effectively.

Here are the different classes of fire:

- The main classes of fires are categorised by the what caused the fire and what the fire was of fuel as follows.
- Such solid materials such as wood or paper, fabric and some plastics.
- Liquid or gas such as alcohol, oil, gas, oil or grease.
- Metals and electrical fires other such as another material: distance from it power off which is used.

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 total During the period of Internship in Fire Department we know about Extinguishing Fires in there Area. protecting life and property in the even of Fires their Area. Rescuing and protecting the people in the event of a Road traffic collision, Building collapse and save life's in toban and Critical Condition and Rescuing and protecting people in the event of other Emergencies.

And also we Learning the Safety precautions During the Fire situations like protection of life protection of property. and using the near Resource to Neutralise the Fire. The Effective Fire Safety training provides a set of practices and produces to minimum the Destruction caused by a fire hazzard.

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.

A). Andhra Pradesh State Disaster Response and Fire Services Department.

B). i). Vision :- To provide the highest standard and Best Value Service to the Community.

ii). Our mission :- To improve public safety through prevention, protection and Response and Resilience.

iii). Our values :- Respectful, honest, Courageous, ambitious inclusive and transparent.

C). Fire policy its Essential for Fire Department to Develop and implement Consistent, through Fire Department policies and procedures in Relation to the intern role.

D). The Chief is on the top of the Fire Department's Organisation and Leads a group of battalions or same times just one in the case of many small to cons Companies make up the battalions and are organized around the speciality a piece of apparatus like a fire engine and the speciality of the Team.

E). Extinguishing Fires in their area protecting life and property in the event of Fires in their area. Rescuing and protecting people in the event of a road traffic collision and Rescuing and protecting people in the event of other emergencies.

F). The performance of the Fire Department to protect the people. This Organisation is not private one this is under the Andhra Pradesh State Government.

G). As Discussed Earlier, once you have entered into the field of Force and Safety your career path extends from Fire and Safety Officer, Fire Fighter External Fire and Safety Consultant.

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.

A Fire Station C also called a fire house, Fire hall, is a structure or other area for storing Fire Lighting apparatus such as fire engine and Fire tender vehicles, it consists of extinguishers and generator hydraulic Cutter, Life jackets and related vehicles.

personal protective equipment Fire houses and other protective specialized equipment fire stations frequently contain working conditions and weekly work schedule is planned by a team and equipment used and tasks are performed.

And I was acquired some kind skills like they working as a team and be punctuality in the working hours and safe precautions and how to use the fire equipment during the emergency situations.

ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	Order of Control in a fire they are 5 types of Fire control	What is use of Control fire in Different ways Stop fires.	<i>See</i>
Day -2	Explain about the different types of class A, class B, class C, class D, Electrical fire Controls	How to Reduce the different types class to uses what material to control fires.	<i>See</i>
Day -3	Class A fire: → natural fire B class: petrol, diesel, Kerosene.	In these natural fire to Reduce used to water, foam, Remove O ₂ , Blanket.	<i>See</i>
Day -4	C class :- Gases fire D class :- Metals fire Electrical fires	In these fire to Reduce used CO ₂ used, Distance above another metals, current switch off.	<i>See</i>
Day -5	Explain about the Education qualification for each cadre post.	Fire man - Inter SFO - any degree In any university	<i>See</i>
Day -6	Explain about briefly Fire station and officers its details.	ADFO } any degree DCFO } if quality RFO } Seniority	<i>See</i>

WEEKLY REPORT

WEEK - 1 (From Dt. 12.12.2022 to Dt. 17.12.2022)

Objective of the Activity Done:

Detailed Report:

Order of Control Fires. In these fire they are different types of fires order of Control.

1). A class fire

2). B class Fire

3). C class Fire

4). D class Fire

5). Electrical fire

1). A class Fire! → The fire which is caused by a natural resources is called as A class fire.

Reduce: → used to water.

2). B class Fire! → The fire which is caused by a petrol, Diesel, Kerosine is called as B class fire.

Reduce: → used to Foam, Remove O₂, Blanket

3). C class fire! → The fire which is caused by gases fire is called as C class fire.

Reduce: → CO₂ used

4). D class fire! → The fire which is caused by metals fire are called D class fire.

Reduce: → Surrounding another metals are distance from.

5). Electrical fire! → The fire which is caused Electrical are called Electrical fire Reduce: → power off, used sand.

ACTIVITY LOG FOR THE SECOND WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	Fire officers explain Extreme Ladder	Understanding Extension Cooder in fire office	Juw
Day -2	next Day Explain Special Risk radio practice Material Nuclear Explains	I understanding Special Risk and Reactive to entria	Juw
Day -3	Fire office explain hook Ladder .	I understanding From table Ladder in fire office	Juw
Day -4	Explained about the Escape Ladder	I Learned the Equipment of the fire office .	Juw
Day -5	Explain the Equip-ment in fire office	I Learned the Equipment of the fire office	Juw
Day -6	Fire office explained The table Ladder	I Learned the table Ladder in fire office	Juw

WEEKLY REPORT

WEEK - 2 (From Dt. 19.12.2022 to Dt. 24.12.2022)

Objective of the Activity Done:

Detailed Report:

In the 2nd week I have observed the class about their performance in Studies and their capabilities I have discussed with them about two Study and manage fire Department.

Syllabus:-

I have a same New classes regarding their new syllabus and their fire officers more important to pieces in fire (Department) classes which they are very active in group discussions and Creative Thinking I have taken group members are share with idea giving information about what talked class we have group to achieve the theme.

ACTIVITY LOG FOR THE THIRD WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	3rd week 1st Day Fire Officer Explain Snankels	I understanding Snankel in the office	See
Day -2	Explain partial fire menship	I understanding partial fire in fire office	See
Day -3	Explain Standard watch room procedure	I understanding watch room procedure	See
Day -4	Explain Standard Test	I understanding Standard Test in fire office	See
Day -5	Explain Knot Lines	I understanding Knot Lines in fire office	See
Day -6	Explained the fire types	I understanding the types fires in fire office.	See

WEEKLY REPORT

WEEK - 3 (From Dt. ^{26.12.2022} to Dt. ^{31.12.2022})

Objective of the Activity Done:

Detailed Report:

In this week I have developed my Fire Department Knowledge skills including Approaches which enhanced my Communication skills in very week.

And I have also interacted with the respected Fire Department Officer about the system situations problems etc and the fire operating classes so that they feel they are in a open space.

I have also worked with Fire Department and other staff members which made me know about how things that happens behind the fire Department.

ACTIVITY LOG FOR THE FORTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	Explain Fire office Building Construction	I understanding Building Construction	See
Day -2	Explain Fire officer Chemical Extinguisher	I understanding chemical Extinguisher	See
Day -3	Explain fixed fire fighting installations	I understanding fixed fire fighting installation	See
Day -4	Explain Sprinklers Drencher CO ₂ installations	I Learned Sprinklers Drencher of CO ₂	See
Day -5	Explain plan heading in fire officers	I understanding plan heading	See
Day -6	Explain Rural fires in fire office	I Learned about Rural fires	See

WEEKLY REPORT

WEEK - 4 (From Dt. 02.01.2023 to Dt. 07.01.2023)

Objective of the Activity Done:

Detailed Report:

In this week I have Developed my skills such as Fire Department Knowledge motivation classes and managing a team work active participation when to the previous week and time Knowledge in Fire Department

I have also observed about the Fire Station and Reasoning topics and Arithmetic topics and Fire Department topics and

I have also interacted with them and game advise and Explained about Strategies of Competative exams to solve them is Easier Day.

The Fire Department classes also have been very well in all activities.

ACTIVITY LOG FOR THE FIFTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Explain about storage of hazardous goods	I understanding storage of hazardous goods	See
Day - 2	Explain Gas fires	I understanding Gas fires	See
Day - 3	Explained about chemical of heat	I understanding chemical of heat	See
Day - 4	Explain air Conditioning Refrigeration	I Learned air Refrigeration	See
Day - 5	Explained chemicals Compounds	I understanding Compounds	See
Day - 6	Explain Electricity	I understanding Electricity	See

WEEKLY REPORT

WEEK - 5 (From Dt. 09.01.2023 to Dt. 14.01.2023)

Objective of the Activity Done:

Detailed Report:

In this week I have developed my ~~self~~ skills such as way of expressing my knowledge to others for and also I lost my stage fear. In this four months project work my self fear and other skills which enhanced my very well.

I come to know few good things and also some problems which made things in different way to solve them.

Finally I got a better experience as a Fire Department and it was a nice job through which we can give knowledge to others.

ACTIVITY LOG FOR THE SIXTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Explain mock Drills in Industries	I understanding mock Drills	
Day - 2	Explain about awareness programs in schools and college	I understanding awareness programmes	
Day - 3	Explained Basic Fire fighting	I understanding Fire Fighting	
Day - 4	Explain about Fire Safety Skills	I understanding Fire Safety Skills	
Day - 5	Explain about Duites in flood is and cychones	I understanding Duites in the flood & cychones.	
Day - 6	Explained about First aid	I Learned First aid	

WEEKLY REPORT

WEEK - 6 (From Dt. 16.01.2023 to Dt. 21.01.2023)

Objective of the Activity Done:

Detailed Report:

In this entire week we have acquired knowledge about fire duties and awareness programmes and mock drills in Industries.

→ Awareness programmes in schools and colleges for telling about the safety precautions for students during fire and emergency situations.

→ Fire Department services explained about first aid in emergency and fire and floods situation to rescue methods of fire and floods situations.

→ Mock drills are in Industries to prevent fire causes during the work condition in Industries. They are aware about fire safety and first aid, rescue skills for people.

ACTIVITY LOG FOR THE SEVEN WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	Explained fire prevention in General	I understanding fire prevention in General	
Day -2	Methods of the Raising Alarm	I understanding Raising Alarm	
Day -3	Explain Action to Initiate upon Discovering fire	I understanding Initiate upon Discovering fire	
Day -4	Explained fire Fighting equipment	I Learned fire Fighting Equipment	
Day -5	Explained Fire Operator	I Learned Fire Operator	
Day -6	Explain Emergency calls	I Learned Emergency calls.	

WEEKLY REPORT

WEEK - 7 (From Dt. 23.01.2023 to Dt. 28.01.2023)

Objective of the Activity Done:

Detailed Report:

In this entire week I have a extra some motivation classes like self introduction games to interact with them to know about their state of mind and comment with them.

I have also thought them two lessons from their syllabus in understandable manner so that they have left them they come to know about some new things and I have observed their fire department knowledge.

ACTIVITY LOG FOR THE EIGHTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	1st Day - Fire Inspect and maintains Equipments	I understanding Inspect and maintains Equipments	See
Day -2	Explained Fire classes carry out particles Drills and talenting	I Learned carry out particles Drills and talent	See
Day -3	Explained Fire class Control and put out Fire	I understanding Control and put out Fires	See
Day -4	Explain fire class Deal with Bomb alerts and floods	I Learned deal with Bomb alerts and floods	See
Day -5	Explain Fire class respond to Emergency calls out	I understanding respond to a Emergency calls.	See
Day -6	Explain fire calls manage chemicals or hazardous substance	I understanding Manage chemical or hazardous Drills	See

WEEKLY REPORT

WEEK - 8 (From Dt: 20.01.2023 to Dt: 04.02.2023)

Objective of the Activity Done:

Detailed Report:

In this entire week, I have observed about the classes their performance in study and their education capability. I have discussed about how to be good and become better in Fire Department performatively.

I have conducted some new activities regarding their syllabus and create an environment in which they are very active group activities and in Fire Department.

ACTIVITY LOG FOR THE NINETH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Explain Fire classes and Excellence Communication	I Learned Excellence Communication	
Day - 2	Explain Fire classes and Explain Compassion	I understanding Compassion	
Day - 3	Explain Fire class First and Sound Decision making Skills	I Learn Fast and Sound Decision Making Skills	
Day - 4	Explain Fire classes in Courage	I understanding Courage	
Day - 5	Explain Fire classes in physical Stamina and Strength	I understanding physical Stamina and Strength	
Day - 6	Explain Fire classes in Fire Operator	I Learned Fire Operator	

WEEKLY REPORT

WEEK - 9 (From Dt. 06.02.2023 to Dt. 11.02.2023)

Objective of the Activity Done:

Detailed Report:

In this week I have developed my Fire Department Skills from syllabus lessons to a practical approach with extending my communication skills is very well.

And I have also interacted with the same new activities recreating their syllabus and create an environment in which and starts work which made me know things that happens behind fire station.

ACTIVITY LOG FOR THE TENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Explained order of Control	I Learned order of Control	
Day - 2	Explained about Fire organization	I Learned organization.	
Day - 3	Explained Fire Station and officer Detail's	I understanding officers Detail's	
Day - 4	Explain Education qualification For each cadre post	I Learned Qualification for each cadre	
Day - 5	Explain Selection procedure for each cadre.	I understand each cadre selection procedure	
Day - 6	Explain promotions of each cadre	I understand about promotions.	

WEEKLY REPORT

WEEK - 10 (From Dt. 13.02.2023 to Dt. 18.02.2023)

Objective of the Activity Done:

Detailed Report:

In this week I Learned about
Rules and Services and Compains
of Fire Department.
Fire Department Rules

Our Quick Services :-

- Fire attendent Certificate
- Fire NOC
- Importante Circulars
- Fire rules
- RTI Act
- public Compains
- Fire Staffes
- Fire Station List
- Contact Fire Officer
- photos gallery
- vedio gallery

ACTIVITY LOG FOR THE ELEVENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	Explain Fire class in Mechanics of Combustion	I understanding Mechanics of Combustion	
Day -2	Explain Fire class in points.	I understanding points	
Day -3	Explain fire class in Oxygen Required for Combustion.	I understanding Required for Combustion	
Day -4	Explain fire class in Ignition Temperature	I understanding Ignition Temperature	
Day -5	Explain Fire class in Fire triangle	I understanding Fire triangle	
Day -6	Explain Fire class in Fire presentation	I understanding Fire presentation	

WEEKLY REPORT

WEEK - 11 (From Dt. 20.02.2023 to Dt. 25.02.2023)

Objective of the Activity Done:

Detailed Report:

Fire Department Works

Some of their work responsibility include:-

- Maintaining Fire fighting equipment and tools.
- Operating Fire fighting Equipment and tools.
- Driving a fire truck.
- providing Fire presentation training
- performing Entry Duty at the fire station.
- under taking Medical Care in Emergency.

The Fire Service now responds to hazards material incidents advanced. Emergency medical situations high angle rescue and confined space rescue incidence trench and collapse operations under water rescue and mass.

ACTIVITY LOG FOR THE TWELVETH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	Explained in Emergency action plan.	I understanding Emergency action plan	
Day -2	Explained Common causes of electric Fires	I understand Common causes of electric Fires	
Day -3	Explained fire Training	I understand Fire training	
Day -4	Explained about care of Equipment	I understand checking care Equipment	
Day -5	Explained checking Equipment	I understand checking care Equipment	
Day -6	Explained protective clothing	I Learned about protective clothing	

WEEKLY REPORT

WEEK - 12 (From Dt. 27.02.2023 to Dt. 04.03.2023)

Objective of the Activity Done:

Detailed Report:

Most Common cause of fire. Most
Common cause of house fires

Cooking Equipments:-

when a pot or pan
Over heating of Spactor grease it can take
Seconds to cause a fire

- Heating Equipment
- Careless Smoking
- Electrical Equipment
- Candles
- Children playing with fire
- Inadequate Wiring

Electrical Equipment :-

- you Electrical appliances (Don't have cause
as frayed cords plug
- you Outlets aren't Over Loaded with
plug
- you're not Overring and Extension cords
as adaption

ACTIVITY LOG FOR THE THIRTEENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Explain the Carbon dioxide Extinguisher system	I understand CO2 Extinguisher system	
Day - 2	Explain about Fire flash point	I Learned of flash point	
Day - 3	Fire class in a fire fighting explained	I Learned Fire Fighting	
Day - 4	Explain Basics of Fire fighting	I understand Basics of Fire Fighting	
Day - 5	Explain about fire Rescues	I Learned Fire Rescue	
Day - 6	Explain Fire class respectively protection Devices	I understand respectively protection Devices.	

WEEKLY REPORT

WEEK - 13 (From Dt. 05.03.2023 to Dt. 11.03.2023)

Objective of the Activity Done:

Detailed Report:

Fire is the rapid oxidation of the fuel in the exothermic chemical process of combustion releasing heat and light and various reaction products. In the combustion process, a certain amount of flame is also visible portion of the fire.

The hottest part of the flame is the core. It typically burns with a different colour to the outside edges or the rest of the flame body. Blue flames are the hottest followed by white, then yellow. Orange and red are due to common carbon you see in most fires.

ACTIVITY LOG FOR THE FOURTEENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	Explain about Tender vehicle in fire office	I understand Tender vehicle	
Day -2	Explained about Floods and cyclone Duties	I understand Floods and cyclones Duties	
Day -3	Explained Rescue Method in fire	I Learned Rescue methods	
Day -4	Explained Fire Tender Vehicle Equipment	I understand Tender vehicle Equipment	
Day -5	Explained using of Fire Equipment	I Learned of using Fire Equipment	
Day -6	Explained water capacity of vehicles	I understanding water capacity of vehicles.	

WEEKLY REPORT

WEEK - 14 (From Dt. 12.03.2023 to Dt. 18.03.2023)

Objective of the Activity Done:

Detailed Report:

In this week I Learned in Fire Department about tender vehicle
Tender vehicle

Tender vehicle consists of fire equipment and rescue materials like, hydraulic jack, hydraulic lift, hydraulic cutter, life jackets and generator and lights

→ Capacity of water in tender vehicle 4500 Litres.

→ Tender vehicles are used in cyclones and floods more over in emergency situations

→ Tender vehicle have a generator & used for lighting at night time at fire place or floods area.

ACTIVITY LOG FOR THE FIFTEENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	Explained about Contrailine	I understanding Contrailine	See
Day -2	Explained about the Burning out	I understanding Burning out	See
Day -3	Explain fire class in Back Burn	I understand Back Burn	See
Day -4	Explains about Flanking	I understanding of Flanking	See
Day -5	Explained about hot Spotting	I understand hot Spotting	See
Day -6	Explained about Cold trailing	I understand cold trailing	See

WEEKLY REPORT

WEEK - 15 (From Dt. 13.03.2023 to Dt. 18.03.2023)

Objective of the Activity Done:

Detailed Report:

Fire Departments are most commonly a public sector organisation that operate utilitarian a municipality Country, State Nation as Special District private and Specialist Fire fighting organisations also exist such as those for air Craft Rescue and Fire Fighting.

A Fire Department contains one or more Station with its Boundaries. and may be staffed by fire fighters who may be professional volunteers constant or on-call - Combination Fire Department employ a mix of professional and volunteer fire fighters.

A Fire Station also known as fire house or fire hall is a Building for storing fire engines and the fire fighting equipment.

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 four months Internship I was developing a positive work environment in the Fire Department. The fire station should be welcoming and feel like home but it also place of fire work.

- I was understanding the Fire Department role in disasters. checking installation and responding to non-fire emergency, Due to natural and man made disaster of their Duties.
- The Fire Department are responsible for training efficiency, Discipline, Morale and Safety of fire.
- The Fire Department Discipline includes Fire chief, Fire inspector, Fire Officer all are to attend all serious fires, house collapse and their emergency calls. and guide the officers and staff at all emergency calls.
- and we learnt the Fire Safety skills and rescue method and first aid of small causes of fire.

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

Fire Safety

Fire Safety Standard Generally focus on minimizing the reaction to fire of products and materials used in different living environment such as domestic Developing house hold Equipment of Furniture and Electronics Building and different transport modes.

Tips to prevent or escape a fire house:-

- Set upon Exit plan.
- put a Smoke Detector on every level your home.
- Install Smoke Alarms.
- plan your Escape from Fire
- Keep an eye on Smokers
- Cook Carefully.
- Give Space Heaters Space.
- Matches and Lighter are Tools not toys.
- Use Electricity Safety.
- Keep a Fire Extinguisher or blanket around at all times.

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.

Some Important Skills acquired in Fire Department

- 1) Communication :- Fire Fighters use Strong Communication Skills when working with other Fire Fighters during Emergency Situations.
- 2) Time Management :- Fire Department use time management Skills when dealing with multiple responsibilities.
- 3) Spatial awareness :- Fire Department use Spatial awareness to create entry plans for Burning Buildings and courses of action during emergency response situations.
- 4) First aid :- First aid Skills are very important for Successful Fire Fighters in many areas, EMTs and Fire Fighters work together and some injuries get EMT Training.

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

1. Think Before you Speaking
2. Speak with confidence what you are saying or express.
3. Actively Listening before you Start Speaking
4. Body Language Matter
5. Reading is the step to improving Both Writing and Speaking Skills.
6. Choose your words wisely
7. Notice your body Language
8. Direct Communication along with an understanding of how it is valued will create a better working Environment.

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

- * Encourage Self awareness and reflection in group work.

- * Being an effective group member.

Communication Skills

- * Can Explain their own ideas

- * Express their feelings in an open but non threatening way.

- * Listen Carefully to others

- * ASK questions to clarify others ideas and emotions.

- * Can Sense how others feel based on their non-verbal Communication.

- * Will initiate Conversation about group climate or process if they sense something brewing.

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

Technology in the Fire Services covers for more than computers and software from personal protective equipment to fire pumps.

→ Currently fire fighters carry thermal vision cameras to help them see through flames and smoke.

→ Sensor web technology increases fire safety and prevention by getting better imagery into the hands of investigators faster and more often.

Fire Technology is the study of the organisation and function of fire prevention and suppression techniques fire behaviour, combustible materials, extinguishing agents hazardous and toxic material fire protection techniques and system fire command and fire management.

Student Self Evaluation of the Short-Term Internship

Student Name: *Arika. Rajesh Kumar*

Registration No: *2022001050002*

Term of Internship: From: *12-12-22* To: *18-03-23*

Date of Evaluation:

Organization Name & Address: *Andhra pradesh State Disaster Response and Fire Services Department, OBS, SKLM*

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:

A. Rajesh Kumar
Signature of the Student

Evaluation by the Supervisor of the Intern Organization

Student Name: *Arika. Rajesh Kumar*

Registration No: *2022001050002*

Term of Internship: From: *12-12-2022* To: *18-03-2023*

Date of Evaluation:

Organization Name & Address: *Andhrapradesh State Disaster
Response and Services Department, OBS, Srikakulam.*
Name & Address of the Supervisor *M. Vra prasad (A.D-F.O)*
with Mobile Number *9963726783*

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

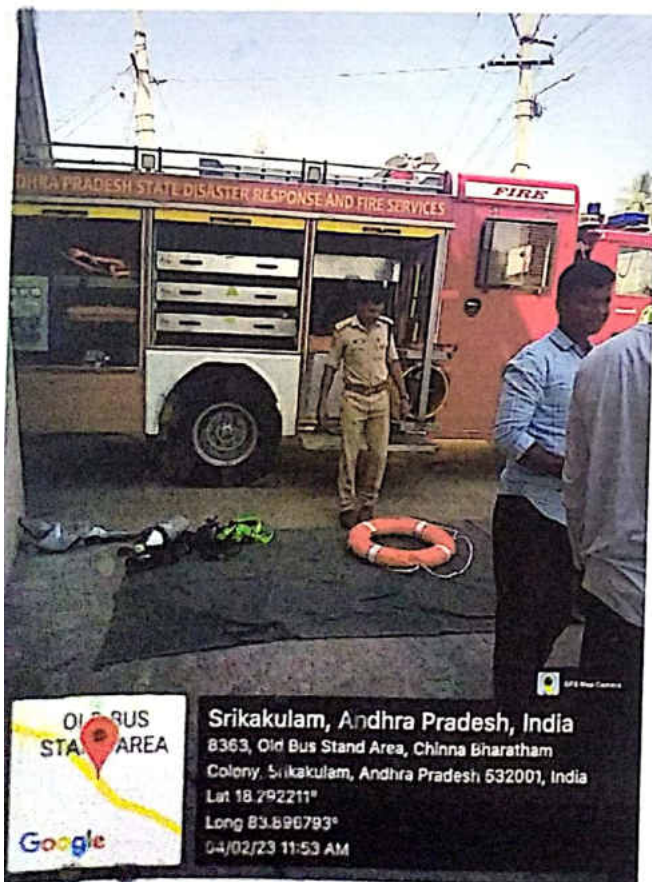
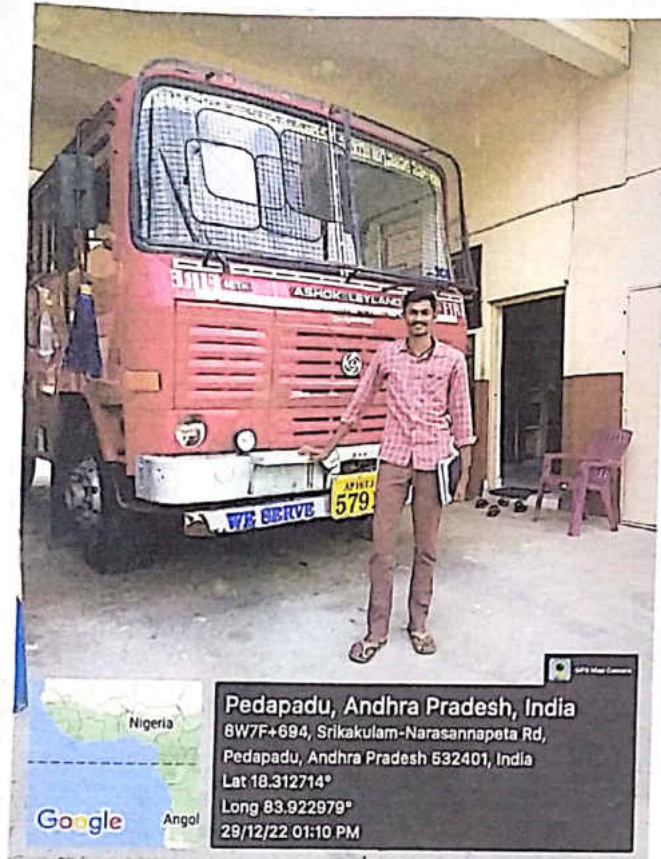
Rating Scale: 1 is lowest and 5 is highest rank

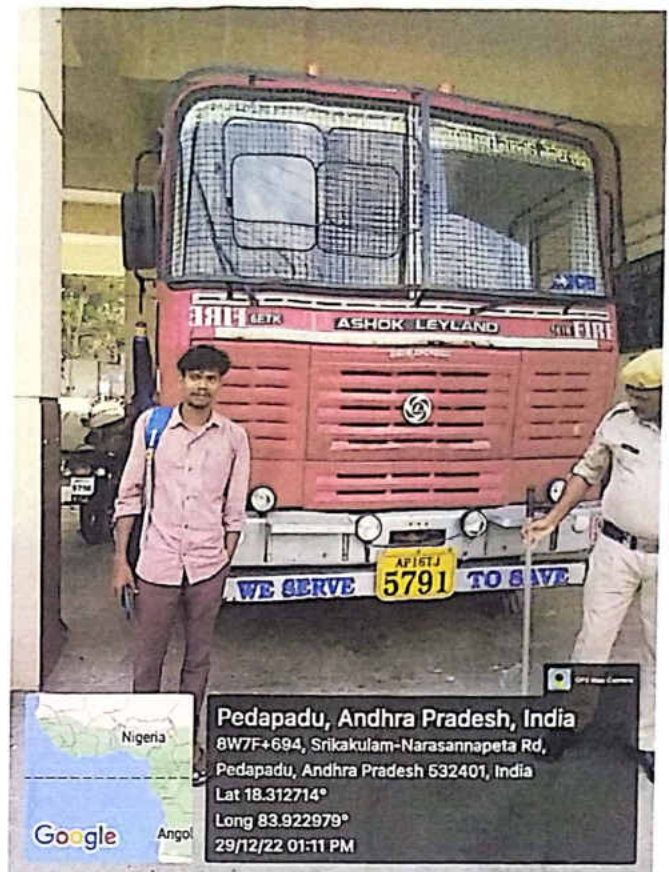
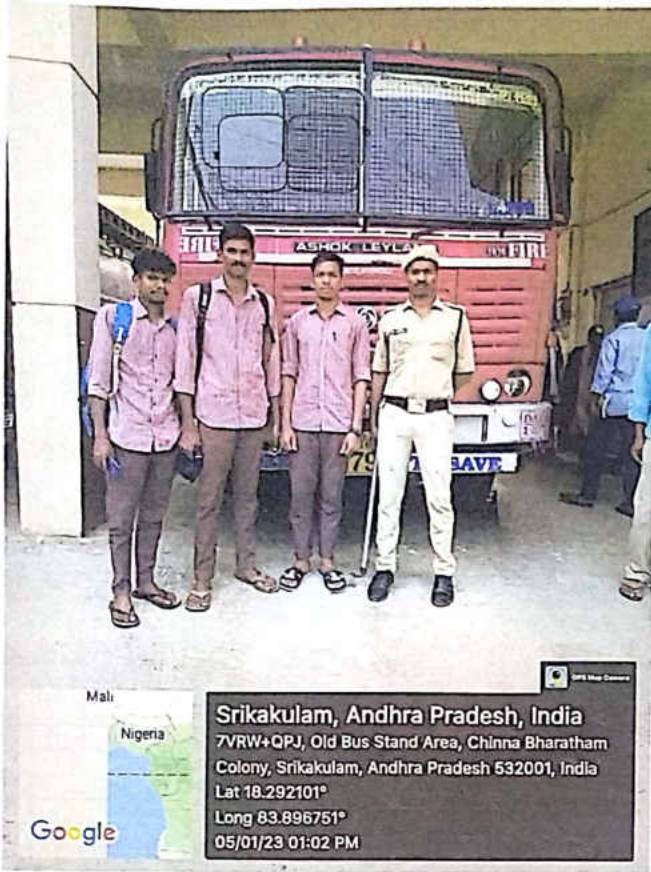
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2	Written communication	1	2	3	4	5
3	Proactiveness	1	2	3	4	5
4	Interaction ability with community	1	2	3	4	5
5	Positive Attitude	1	2	3	4	5
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14	Achievement of Desired Outcomes	1	2	3	4	5
15	OVERALL PERFORMANCE	1	2	3	4	5

Date:

M. Vra prasad
Signature of the Supervisor *18/3/23*

PHOTOS & VIDEO LINKS





EVALUATION

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)

Page No



INTERNAL ASSESSMENT STATEMENT

Name Of the Student: Arika. Rajesh Kumar

Programme of Study: 2021-2023

Year of Study: IIIrd year

Group: B.Sc (M.P.C.S)

Register No/H.T. No: 2022001050002

Name of the College: Government Degree college (MEN), Srirakulam.

University: Dr B.R Ambedhakar University

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

Date:


20/04/23
Signature of the Faculty Guide

EXTERNAL ASSESSMENT STATEMENT

Name Of the Student: *Ariko. Rajesh Kumar*

Programme of Study: *2021-2023*

Year of Study: *IIIrd year*

Group: *BSC (MPCS)*

Register No/H.T. No: *20220010500021*

Name of the College: *Government Degree college (MEN), Srikakulam.*

University: *Dr B.R Ambedkar University.*

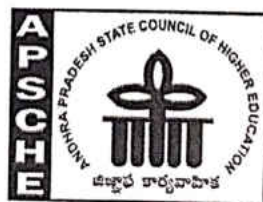
SLNo	Evaluation Criterion	Maximum Marks	Marks Awarded
1.	Internship Evaluation	80	
2.	For the grading giving by the Supervisor of the Intern Organization	20	
3.	Viva-Voce	50	
	TOTAL	150	
GRAND TOTAL (EXT. 50 M + INT. 100M)		200	

Signature of the Faculty Guide

Signature of the Internal Expert

Signature of the External Expert

Signature of the Principal with Seal



ANDHRA PRADESH STATE COUNCIL OF HIGHER EDUCATION

(A Statutory Body of the Government of Andhra Pradesh)

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