

# Sree Narayana College Chengannur

Affliated to University of Kerala NAAC accredited with Grade B



# CERTIFICATE COURSE ON FOOD CHEMISTRY

Course coordinator: Mrs. Neetu Pradeep

**Assistant Professor** 

**Department of Chemistry** 

**SN College Chengannur** 

**Contact Number: 8281797929** 

ORGANISING COMMITTEE
SRI. VELLAPPALLY NADESAN
(PATRON)

MS. SHEREEN K. (PRINCIPAL IN CHARGE)

DR. SMITHA SASIDHARAN
(IQAC COORDINATOR)
MS. NEETU PRADEEP
(COORDINATOR, CERTIFICATE
COURSE)

DR. VENU S.

(HEAD, DEAPARTMENT OF CHEMISTRY)

DR. JISHA SREEDHARAN
DR. ANJU K.S.

DR. RESHMI R.

Sree Narayana College, Chengannur, named after the great social reformer Sree Narayana Guru, is a major centre for higher education to the rural community in the vicinity. The college was established in 1981. The vision of our College is to provide 'Liberation through Education' and 'Enlightenment through Education'. The college offer five undergraduate and three post graduate courses.

The Post Graduate Department of Chemistry ever since its establishment remains one of the major departments of the college, which offers high quality teaching. The department is equipped with a wide range of facilities to aid the students to do well in their performance. We cordially invite the interested undergraduate and post graduate students to join the Certificate course on 'Food Chemistry' implemented by the Post Graduate Department of Chemistry in association with IQAC, S N College Chengannur.

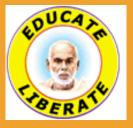
The certificate course "Food Chemistry" focuses on a general introduction to food science and nutrition, and particularly gives importance to the chemistry aspects of different kinds of foods. Food chemistry is an interdisciplinary subject which encompasses some of the basic and advance science subjects like chemistry, biochemistry, botany, microbiology, nutritional science, biotechnology and molecular biology. The course mainly deals with chemical composition of foods, basic biomolecules, chemical structure and the properties of food constituents. It also covers the chemical changes of food during processing and storage.

#### **COURSE DETAILS:**

- THE COURSE IS OPENED TO ALL POST GRADUATE AND UNDERGRADUATE STUDENTS
- COURSE DURATION: 33 HOURS [THEORY (27 HOURS), PRACTICAL (6 HOURS)]
- COURSE FEES: RS. 250/-
- ASSESSMENT: ASSIGNMENT AND MCQ

# Sree Narayana College Chengannur, Alappuzha

(Affiliated to University of Kerala NAAC accredited with 'B' Grade)



POST GRADUATE **DEPARTMENT O CHEMISTRY** 





# **ORGANISING COMMITTEE**

- SRI.VELLAPPALLY NADESAN (PATRON)
- MS.SHEREEN K.(PRINCIPAL IN CHARGE)
- **DR.SMITHA SASIDHARAN** (IQAC COORDINATOR)
- **Smt.NEETU PRADEEP** (COURSE COORDINATOR)
- **DR.VENU.S** (HEAD, DEPARTMENT OF CHEMISTRY)
- **DR.JISHA SREEDHARAN**
- DR.ANJU.K.S
- DR.RESHMI.R

**Certificate Course on** "FUNDAMENTALS OF POLYMER SYNTHESIS AND CHARACTERISATION TECHNIQUES "

# COURSE DETAILS THE COURSE IS

- OPENED TO ALL PG & **UG STUDENTS** COURSE DURATION:
- 30Hrs(THEORY-24Hrs & PRACTICAL-6Hrs) COURSE FEE:Rs.250/-
- ASSESSMENT: ASSIGN
- MENT AND MCQ

**Course Coordinator:** 

**Smt.Neetu Pradeep** 

**Assistant Professor** 

**Department of Chemistry** 

S.N.College, Chengannur

Contact:8281797929

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The Post Graduate Department of Chemistry ever since its establishment remains one of the major departments of the college, which offers high quality teaching. The department is equipped with a wide range of facilities to aid the students to do well in their performance. We cordially invite the interested undergraduate and post graduate students to join the Certificate course on 'Fundamentals of Polymer Synthesis and Characterization Techniques' implemented by the Post Graduate Department of Chemistry in association with IQAC, S N College Chengannur.

The certificate course "Fundamentals of Polymer Synthesis and Characterization Techniques" is likely to be a valuable asset for anyone who is interested in a career in the polymer industry. The course will provide students the opportunity to network with professionals in the polymer industry. This can be helpful in finding a job or internship after graduation. Polymer science characterization will give you a competitive edge in the job market. Many employers are looking for candidates with specialized knowledge and skills in polymer characterization. This includes using a variety of analytical techniques, such as spectroscopy, microscopy, and rheology. These skills will be valuable in a variety of careers in the polymer industry.

# **Minutes of the Meeting of Board of Studies**

#### Attendees:-

- 1. Smt. Shereen K (Principal)
- 2. Dr. K Sreelatha (Chairman, Board of studies)
- 3. Dr. Smitha Sasidharan (IQAC Coordinator)
- 4. Dr. Venu S (Head, Department of Chemistry)
- 5. Smt. Neetu Pradeep (Course Coordinator)
- 6. Dr. Ambily Chandran (External Member)

Venue: Principal's Chamber

Date & Time: 06/09/2021 at 11 am

# Agenda:

Review of Certificate course proposal

#### Minutes:

- Reviewed the certificate course proposal submitted by Department of Chemistry.
- Approved the syllabus and proposal of the certificate course on "Food Chemistry".



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NAAC Accredited with B Grade

# Minutes of the Meeting of Board of Studies

#### Attendees:-

- 1. Smt. Shereen K (Principal)
- 2. Dr. K Sreelatha (Chairman, Board of studies)
- 3. Dr. Smitha Sasidharan (IQAC Coordinator)
- 4. Dr. Venu S (Head, Department of Chemistry)
- Smt. Neetu Pradeep (Course Coordinator)
- 6. Dr. Ambily Chandran (External Member)

Venue: Principal's Chamber

Date & Time: 15/12/2021 at 2.00pm

# Agenda:

Review of Certificate course proposal

#### Minutes:

- 1. Reviewed the certificate course proposal submitted by Department of Chemistry.
- 2. Approved the syllabus and proposal of the certificate course on "Fundamentals of Polymer Science & Rubber Technology"



SREE NARAYANA COLLEG



# Sree Narayana College Chengannur Alapuzha, Kerala

POST GRADUATE DEPARTMENT OF CHEMISTRY

CERTIFICATE COURSE: FOOD CHEMISTRY(CH21FC)

### Relevance of Food chemistry

- Food chemistry is the study of chemical processes and interactions between all biological and non-biological components of foods
- It informs us the changes in foods taking place during processing and storage. The chemical processes that take place inside food determine its nutritional value, taste, texture and freshness.
- The importance of food chemistry lies in its ability to counter the effects of decomposition and spoilage and extend the shelf life of foods. Various household chemicals help in preservation of foods like use of common salt in pickles, chutney, sauces etc. These increase the osmotic pressure of food and decrease the water activity, which further prevents the growth of microorganisms in Food. Common methods of food preservation include salting, cooking, drying, refrigeration, canning, irradiation, dehydration, wood smoke, use of spices, pickling, fermentation etc.

## **Objectives**

The students will be trained to understand and discuss the main principles, theories and concepts underlying established knowledge in food chemistry. On completing this course, students should be able to:

- describe reactions and mechanisms important in food chemistry
- explain the chemistry of the most important food components, including their properties and reactions
- develop and distinguish how individual food components contributes to the overall quality of foods
- explain the major chemical reactions that occur during food handling, processing and storage, including those that limit food shelf life

#### FOOD CHEMISTRY

The certificate course "Food Chemistry" focuses on providing a general introduction to food science and nutrition and particularly giving importance to the chemistry aspects of different kinds of foods. Food Chemistry is an interdisciplinary subject which encompasses some of the

kinds of foods. Food Chemistry is an interdisciplinary subject which encompasses some of the basic and advance science subjects like chemistry, biochemistry, botany, microbiology,

nutritional science, biotechnology and molecular biology. The course mainly deals with chemical composition of foods, basic biomolecules, chemical structure and properties of food constituents. It also covers chemical changes food undergoes during processing and storage, techniques to identify and manage food spoilage. The course is divided into different modules

techniques to identify and manage food spoilage. The course is divided into different modules that gives the learner the basic information about chemical composition of main types of foods, bio molecules such as carbohydrates, proteins and enzymes, lipids, vitamins, pigments, flavours, minerals and other micro components and additives. It also includes practical sessions

which deals with the analysis of various contents in fruit juices, Vitamin C in citrus fruits,

oxalate content in guava, Ph analysis of fruits and chocolate analysis.

Expected Outcomes:

# deep understanding of how food components contribute to overall quality of food explain the nutritional importance of carbohydrates, changes occurring during

processing and its storage

- Importance of proteins and fats, effect of its deficiencies
- Detailed discussion of vitamins and minerals, its deficiency diseases
- Discuss the various enzymatic actions in food
- Importance of pigments and additives used in food
- Discuss about some of the fascinating facts of chemistry in our daily life

Module-I 3 hrs
Introduction to Food Chemistry-definition and concepts -food, nutrition, nutrients-

# malnutrition, Importance of food chemistry, Water in food- as a nutrient, interaction with food components and food stability

Module -II 9 hrs Macronutrients-carbohydrates- definition- classification, sources and propertiesnutritional and industrial importance- functions of sugar in food (Browning reaction),

changes during cooking and processing- Artificial sweeteners

Proteins-definition, classification, sources and properties- nutritional importance, denaturation, and protein deficiency, Protein structure Protein changes during processing -Fats- definition, classification, sources, properties and nutritional values, deficiency diseases

❖ Module-III 9 hrs

Micronutrients-Vitamins- sources, importance, fat soluble and water-soluble vitamins, its deficiencies, effect of processing and storage on vitamins- Minerals-importance and sources and deficiencies of minerals- Enzymes- definition, classifications, kinetics factors influencing enzyme activity, controlling enzyme action, enzyme added to food during processing, modification of food by endogenous enzyme. Enzyme inhibitors in food

❖ Module-IV

Other components-

Pigments indigenous to food, structure, chemical and physical properties, Effect of processing and storage

Flavouring agents- Vegetables, fruit and spice flavours, fermented food, Meat and sea food

❖ Module-V 3 hrs

Fascinating facts of Chemistry- cooking in pressure cooker, chemistry of chocolates and brewing, colour of vegetables and fruits, chemistry of slicing onions, chemistry of tastes and flavours

#### References:

- Food Chemistry David Newton Facts on File, Inc. New York 2004
- Principles of Food Chemistry DeMan JM AVI Publishing Co Inc., 1976
- Swaminathan, M. (2012). Advanced Text book on food and Nutrition, Vol. II.
- Swaminathan, M. (2012). Handbook of Food & Nutrition. 5th Edition.
- Shakuntala, M.N and Shadaksharaswamy, M. (2013). Food Facts and Principles. New Age International.
- Srilakshmi, B. Food science. 3rd Edition. New Age International

PRACTICALS 6 hrs

- 1. Analysis of contents in fruit juices- starch, carbohydrates and calcium
- 2. pH analysis of fruits
- 3. Analysis of Vitamin C content in citrus fruits
- 4. Analysis of oxalate content in guava fruit
- 5. Analysis of Chocolates

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# Sree Narayana College Chengannur Alapuzha, Kerala

# POST GRADUATE DEPARTMENT OF CHEMISTRY CERTIFICATE COURSE: FUNDAMENTALS OF POLYMER SYNTHESIS AND CHARACTERISATION TECHNIQUES (CH21PSCT)

# Relevance of fundamentals of polymer synthesis and characterization techniques:

The study of polymer synthesis and characterization techniques is essential for understanding the properties of polymers and for developing new polymer-based materials. The study of polymer synthesis and characterization techniques is a challenging but rewarding field. It offers the opportunity to work on cutting-edge research and to develop new materials that can improve our lives. The course covers a wide range of topics, including:

- The different types of polymers
- The mechanisms of polymer synthesis
- The characterization of polymers
- The properties of polymers
- The applications of polymers

## Objectives:

This course aims to provide students to acquaint the students to:

- Learn how to characterize polymers: NMR, Raman, Mass and IR—Spectra for characterization of molecular structure of polymeric materials.
- Learn the fundamental principles of polymer synthesis: This course will teach you about
  the different methods that are used to synthesize polymers, such as polymerization,
  crosslinking, and grafting.
- Gain hands-on experience with polymer synthesis and characterization: This course will
  give you the opportunity to gain hands-on experience with polymer synthesis and
  characterization, through experiments and lab work.

The course also includes a number of practical exercises, such as:

- Synthesizing polymers
- Characterizing polymers
- Applying polymers to solve real-world problems

# FUNDAMENTALS OF POLYMER SYNTHESIS AND CHARACTERISATION TECHNIQUES

#### > UNIT 1 - INTRODUCTION TO POLYMERS

reinforcing.

(6 Hrs)

Definition - Monomer, polymer and polymerisation - classification of polymers on the basis of (i) origin - Natural, semi synthetic, synthetic, (ii) Physical properties and applications - Rubbers, plastic, fibres (iii) Thermal response - thermoplastics, thermosetting (iv) Structure - Homopolymers (linear, branched, cross link or network), Copolymers (Random, Alternate, Block, Graft) (v) Crystallinity - non-crystalline (amorphous), semi-crystalline (vi) Mode of formation - Addition, Condensation Polymerisation (definition and examples only) (vii) Methods of polymerization - Bulk, Solution, Suspension Polymerisation (definition and examples only) Chemistry of polymerization: Chain polymerization, free radical, ionic, co-ordination, step polymerization, polyaddition and polycondensaion, miscellaneous ring opening and group transfer polymerization, step polymerization, polyaddition and polycondensaion, miscellaneous ring opening and group transfer polymerizations.

# WINIT 2: POLYMERIZATION TECHNIQUES AND PROCESSING (6 Hrs) Bulk, solution, suspension, emulsion, melt condensation and interfacial poly condensation polymerizations. polymer processing - calendaring - die-casting, rotational casting - compression moulding - injection moulding - blow moulding - extrusion moulding and

# > UNIT 3: Spectroscopic and chromatography techniques in polymer (6 Hrs)

Basic principle of spectroscopy, molecular, atomic and electronic spectra, Lambert-Beer's law, Frank-condon principle, electromagnetic radiation and it's properties, interaction of radiation with matter, statistical method of analysis. Principles and applications in structural determination of polymers (functional group, tacticity, molecular structure, purity, unsaturation etc.) by Infra-red spectroscopy, UV-Vis spectroscopy, nuclear magnetic resonance spectrometer (1 HNMR).

Paper chromatography, thin layer chromatography, high performance liquid chromatography, gel permeation chromatography (GPC), gas chromatography and size exclusion chromatography.

# > UNIT 4: MICROSCOPIC AND X-RAY TECHNIQUES

(3 Hrs)

Optical microscopy, electron microscopy (SEM, TEM, AFM) and XRD: basics principle and applications in polymers characterization, Contact angle and measurement.

# > UNIT 5: THERMO-MECHANICAL CHARACTERIZATION

(3 Hrs)

Principle and applications of Thermal gravimetric analysis (TGA), Differential thermal analysis (DTA). Differential scanning calorimeter (DSC), Dynamic mechanical analyser (DMA) and thermal mechanical analyser (TMA) in polymer analysis or determination of molecular mass and chemical structure of polymers.

#### **PRACTICALS**

(6 Hrs)

- To verify Lambert-Beer's law by UV-Vis. spectrophotometer. Quantitative determine of chemical impurities in polymer sample by UV-Vis. spectrophotometer.
- Calculate weight percentage of inorganic and organic ingredient in polymeric compound.
- Analyze thermal behaviour of polymers by TGA.
- Contact angle and measurement of polymer
- Identification of additives present in a processed polymer by Paper and thin layer chromatography.
- Separation, characterization, and purity determination of polymers by TLC and Paper chromatography.

# REFERENCES:

- Willard H.H., Merrit L.L., Dean J.A. (1988) Instrumental method of analysis, Wads worth Publishing Company.
- Kaushik N.K., Shukla S. K., (2023) Thermal Analysis Techniques and Applications, IK International Pvt. Ltd.
- Skoog D.A, (1997) Principle of Instrumental Analysis, Harcourt College Pub.
- > Shah V., (2007) Handbook of Plastic Testing, Technology, Wiley-Inter science.
- ➤ Banwell C.N., McCash E.M., (2008) Fundamentals of Molecular Spectroscopy, Fourth Edition, Tata McGraw-Hill.

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Muhammad Malik, Jimmy Mays, Muhammad Raza Shab, (2021) Molecular Characterization of Polymers: A Fundamental Guide, Elsevier

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# SREE NARAYANA COLLEGE CHENGANNUR DEPARTMENT OF CHEMISTRY

Certificate Course on "Food Chemistry" (CH21FC)

Duration: 3 months

Year: 2021-22

# Student Enrolment for the certificate course

| Sl.No. | Candidate code | Name of Candidate     | Signature   |
|--------|----------------|-----------------------|-------------|
| 1      | 63520128001    | AJMI FATHIMA N        | Aji         |
| 2      | 63520128002    | AMNA FATHIMA          | Agra        |
| 3      | 63520128003    | AMRUTHA JAYAKUMAR     | Ph          |
| 4      | 63520128005    | ANJANA SUNIL          | A Company   |
| 5      | 63520128006    | ANJU VISWANATHAN      | A.M.        |
| 6      | 63520128007    | ANJUMOL PAUL          | Anu         |
| 7      | 63520128008    | ARJUN P               | Allin       |
| 8      | 63520128009    | ARYAMOL S             | John        |
| 9      | 63520128010    | DEVIKRISHNA           | Quiler      |
| 10     | 63520128011    | GREESHMA G            | Czorentry   |
| 11     | 63520128012    | RESHMI M RAJU         |             |
| 12     | 63520128013    | SANJAY KRISHNAN S     | Sun on      |
| 13     | 63520128014    | SNEHA                 | 0. 04-      |
| 14     | 63520128015    | SREEJITH S            | Shanish.    |
| 15     | 63520128016    | SREELEKSHMI R         | Beelekami   |
| 16     | 63520128017    | SUKANYA SUKHADEVAN    | Galcony 9   |
| 17     | 63520128018    | VINAYAPRIYA A         | 1 Card Sant |
| 18     | 63520128019    | VRINDA                | ASINOA      |
| 19     | 63521128001    | AJIL S B              | M.          |
| 20     | 63521128002    | ANJANA T V            | Anjoins     |
| 21     | 63521128003    | ANUGRAHA A S NARAYANA | 1 nown      |

| 22 | 63521128004 | ARABHI A R      | Amy?   |
|----|-------------|-----------------|--|
| 23 | 63521128005 | CHIPPY HARISH   | Dolo   |
| 24 | 63521128006 | GOWRI PRASAD    | Comi   |
| 25 | 63521128007 | KRISHNA S V     | Karl   |
| 26 | 63521128008 | MEENAKSHY A     | Newaliday  |
| 27 | 63521128009 | MEENU REMESH    | A roll   |
| 28 | 63521128010 | RESHMA R.S      | A Comment of the Comm |
| 29 | 63521128011 | ROHINI S PILLAI | Parlini.   |
| 30 | 63521128012 | SHAMLA P S      | Joseph Mark  |
| 31 | 63521128013 | SRADHA R        | Stoom  |
| 32 | 63521128014 | SREELEKSHMI M S | Sheetelmi  |
| 33 | 63521128015 | SRUTHY S        | X mly  |
| 34 | 63521128016 | VISMAYA V       | Visney.  |

Course Coordinator

CHENGAMUS COLLAGO

Head of the Department

PRINCIPAL PRINCIPAL SREE NARAYANA COLLEGE CHENGANNUR

# SREE NARAYANA COLLEGE CHENGANNUR **DEPARTMENT OF CHEMISTRY**

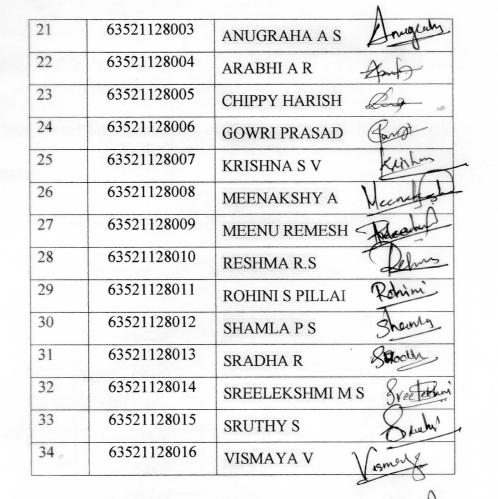
Certificate Course on "Fundamentals of Polymer Synthesis and Characterisation Techniques" (CH21PSCT) Year: 2021-22

**Duration: 3 months** 

# **Student Enrolment for the certificate course**

| Sl.No. | Candidate code | Name of Candidate       |
|--------|----------------|-------------------------|
| 1      | 63520128001    | AJMI FATHIMA N          |
| 2      | 63520128002    | AMNA FATHIMA            |
| 3      | 63520128003    | AMRUTHA JAYAKUMAR       |
| 4      | 63520128005    | ANJANA SUNIL            |
| 5      | 63520128006    | ANJU VISWANATHAN        |
| 6      | 63520128007    | ANJUMOL PAUL            |
| 7      | 63520128008    | ARJUN P                 |
| 8      | 63520128009    | ARYAMOL S               |
| 9      | 63520128010    | DEVIKRISHNA QUI         |
| 10     | 63520128011    | GREESHMA G              |
| 11     | 63520128012    | RESHMI M RAJU Reihan'   |
| 12     | 63520128013    | SANJAY KRISHNAN S       |
| 13     | 63520128014    | SNEHA                   |
| 14     | 63520128015    | SREEJITH S Siewith      |
| 15     | 63520128016    | SREELEKSHMIR Svedekshim |
| 16     | 63520128017    | SUKANYA SUKHADEVAN      |
| 17     | 63520128018    | VINAYAPRIYA A           |
| 18     | 63520128019    | VRINDA DENNI CONTRACTOR |
| 19     | 63521128001    | AJIL S B                |
| 20     | 63521128002    | ANJANAT V               |

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Course Coordinator

Head of the Department

WARAYANA COLLAD

PRINCIPAL PRINCIPAL SREE NARAYANA COLLEGE CHENGANNUR

| No. | NAME  | Designation | 1  | 2 | 3 | 4 | 5 | .6 | 7   | 8    | 9    | 10 | 11  | 12 | 13  |
|-----|---|-------------|----|---|---|---|---|----|-----|------|------|----|-----|----|-----|
| 1.  | Ajmi Fathima N                                  |             |    |   |   |   |   |    |     | ×    | 42   | X  | X   | X  | 7   |
|     | Amna Fathima                                    |             |    |   |   |   |   |    |     |      | ×    | X  | 2   |    |     |
|     | Amrutha Jayakumas                               |             |    |   |   |   |   |    |     |      | 4    | X  | X   |    | X   |
|     | Angana Scenix.                                  |             |    |   |   |   |   |    |     |      | X    | X  | 70  |    |     |
| 5   | Anju Viswanathan.                               |             |    |   |   |   |   |    |     | 2.00 | D    | X  | M   |    | 1   |
| 6.  | Anjuno (Paul.                                   |             |    |   |   |   |   |    |     |      | X    | X  | X   |    | X   |
| 7.  | Axiun.P.  |             |    |   |   |   |   |    |     |      | 0    | X  | X   |    | X   |
| 8.  | Arjun P. Anyamot.S.                             |             |    |   |   |   |   |    |     |      | R    | X  | 7   |    | 8   |
| 9.  | Devikrishna                                     |             |    |   |   |   |   |    |     |      | X    | 2  | Y   |    | A   |
|     | Greishma G.                                     |             |    |   |   |   |   |    |     |      | X    | X  | X   | ×  | 3.  |
| 11. | Restmi M. Raju                                  |             |    |   |   |   |   |    |     |      | Ke.  | X  | X   |    |     |
| 12. | Sanjay Krishnan.S.                              |             |    |   |   |   |   |    |     |      | X    | X  | X   |    |     |
| 13. | Sneha   |             |    |   |   |   |   |    |     |      | X    | X  | X   |    |     |
| 14. | Saegith. 8.                                     |             |    | 4 |   |   |   |    |     |      | k    | X  | X.  |    |     |
| 15. | Sreeleksbri. R.                                 |             |    |   |   |   |   |    |     |      | X    | X  | 100 |    |     |
| 16. | Sukanya Sukbadeva<br>Vinayapsiya A.<br>Vsinela  | <b>p</b>    |    |   |   |   |   |    |     |      |      |    |     |    |     |
| 17. | Vinayapriya.A.                                  |             |    |   |   |   |   |    |     |      |      |    |     |    |     |
| 18. | Vrinela   |             | 9  |   |   |   |   |    |     |      |      |    |     |    |     |
| 19. | Ajil S.B.                                       |             |    |   |   |   |   |    |     |      |      |    |     |    |     |
| 20. | Anugeaha A.S.                                   |             |    |   |   |   |   |    |     |      |      |    |     |    |     |
| 21. | Anugeaha A.S.                                   |             |    |   |   |   |   |    |     |      |      |    |     |    |     |
| ad. | Alabhi A.K.                                     |             |    |   |   |   |   |    |     |      |      |    |     |    |     |
| 23. | Chippy Harish<br>Gowri Prasad<br>Krishna. S. V. |             | 36 |   |   |   |   |    |     |      |      |    |     | V  |     |
| 24. | Gowsi Prasad.                                   |             |    |   |   |   |   |    |     |      |      |    |     |    |     |
| 25. | Krishna. S.V.                                   |             |    |   |   |   |   |    |     |      |      |    |     |    |     |
| 26. | Meenakshy. A.  Meenakshy. A.  Reshma. R.S.      |             |    |   |   |   |   |    |     |      |      |    |     |    |     |
| 27. | Meenu Ramesh                                    |             |    |   |   |   |   |    |     |      | N/A  | 71 |     |    |     |
| 28. | Reshma. R.S.                                    | 4.5         |    |   |   |   |   |    |     |      |      |    |     |    |     |
| 29. | Robini S. Pillai                                | 18 1.6      |    |   |   |   |   |    |     |      |      |    |     | */ | No. |
|     | Shamla P.S.                                     |             |    |   |   |   |   |    | 346 |      | Mil. |    |     |    |     |
|     | Sragha · R                                      |             |    |   |   |   |   |    |     |      |      |    |     |    |     |
| 32. | Szeelekshmi M.S.                                |             |    |   |   |   |   |    |     |      |      |    |     |    |     |
| 33. | Skeithy. S.                                     |             |    |   |   |   |   |    |     |      |      | -  |     |    |     |
| 34  | Vismaya · V.                                    |             |    |   |   |   |   |    |     |      |      |    | 2   |    |     |
|     | V   |             |    |   |   |   |   |    |     |      |      |    |     |    |     |
|     |   |             |    |   |   |   |   |    |     |      |      |    |     | E. |     |
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| 14 | 15          | 16             | 17  | 18  | 19 | 20 | 21   | 22 | 23   | 24  | 25  | 26          | ン<br>27 | 28  | V<br>29 | √<br>30 | 31    | Working<br>Days | Days<br>Present | Days    | Leave    | Remarks   |
|    | X           |                |     |     |    | X  | X    |    | X    | X   | 1   | X I         | X       |     | a       | X       |       | 6               | 5               |         | align)   | A late    |
|    | Z           | V              |     |     |    | X  | a)   |    | X    | X   |     |             | X       |     | X       | X       |       | 6               | 6               |         | 200      | Alsa      |
|    | 14          | 7              |     |     |    | X  |      |    | X    | X   |     |             | X       |     | X       | X       | 14.13 | 6               | 6               | 1.1 (±) |          |           |
|    | ×           | 13             |     |     |    | X  |      |    | X    | a   |     | Z.          | X       |     | X       | X       |       | G               | 5               | (1)     |          | A B       |
|    | 1           | V              |     |     |    | X  | Ne l |    | X    | X   |     | 7           | X       |     | X       | X       |       | 6               | 6               | W       |          | Ara       |
|    | X           |                |     |     |    | X  | X    |    | X    | X   |     | X           | X       |     | X       | X       |       | 6               | 6               | Out     | 1.16     | AFE       |
|    | X           | W.             |     | 18  |    | X  | y a  |    | X    | X   |     |             | X       |     | a       | X       |       | 6               | 5               | 1       | 1370     |           |
|    | X           | X              |     | 5,  |    | X  | 2    |    | X    | X   |     | V.          | X       |     | X       | a       |       | 6               | 5               |         |          |           |
|    | ×           | 0              |     | -N  |    | X  |      |    | X    | X   |     | 90          | X       |     | X       | X       |       | 6               | 6               | lak.    | L LV.    | 31-9      |
|    | X           | Á              |     | · N |    | X  | 4    |    | X    | X   |     | K.          | X       |     | X       | X       |       | 6               | 6               | la di   |          |           |
|    | 1 X         | 1              | l Y |     |    | X  | A    |    | X    | X   |     |             | X       |     | a       | X       | ايل   | 6               | 5               | 1100    | N        | Sell-Mi   |
|    | 1 X         | A              |     |     |    | X  |      |    | X    | a   |     |             | X       |     | X       | X       | a)si  | 6               | 5               | 1122    | LAV.     |           |
|    | 1 x         | 14             |     |     |    | X  | K    |    | X    | X   |     | Y.          | X       |     | X       | X       |       | 6               | 6               | 1       | Jaa.     | 13 2      |
|    | 1 X         | W.             |     |     |    | X  | 6    |    | X    | X   |     |             | X       |     | X       | X       |       | 6               | 6               | Att     |          | 2 1-14    |
|    | Ly          | À              |     |     |    | X  | X    |    | X    | X   |     | K           | X       |     | X       | X       |       | 6               | 6               | 1/20    | 1333     | 13 11-57  |
|    | X           | l x            |     | 1   |    | X  | 7    |    | X    | X   |     | X           | X       | 3   | X       | X       | 60    | 6               | 6               | OJV.    | 424      | 15 1.91   |
|    | · · · · · · | l <sub>A</sub> |     |     |    | X  | X    |    | X    | X   |     | X           | X       |     | X       | ×       |       | 6               | 6               | 90      | 1200     | WIN       |
|    | 1 X         | X              |     | 4   |    | X  | X    |    | X    | X   | 100 | 2           | X       |     | X       | X       |       | 6               | 6               | Sal     | y (A.J.) | M 1-3/    |
|    | X           | 2              |     |     |    | X  |      |    | X    | X   |     | X           | X       |     | ×       | ×       |       | 6               | 6               | 8       |          | M M       |
|    | 1 X         | K              |     |     |    | X  | X    |    | X    | X   |     |             | ×       |     | X       | X       |       | 6               | G               | l a     | MAI      | Arok      |
|    | X           | X              |     |     |    | X  | 14   |    | X    | X   |     | K           | X       |     | X       | X       |       | 6               | 6               | AAA     | 101      | Alas      |
|    | 1×          | 1              |     |     |    | X  | 1    |    | X    | X   |     | X           | X       |     | X       | X       |       | 6               | C               | >       |          | 100       |
|    |             |                |     |     |    | X  | X    |    | X    | X   |     | 1×          | ×       |     | ×       | X       |       | 6               | 6               |         | 9 Gris   | 10 1-16   |
|    | X           | X              |     |     |    | X  | 1    |    | X    | X   |     |             | X       |     | X       | X       |       | 6               | 6               |         | COUN     | 0 1 36    |
|    |             | X              |     |     |    | X  | 1    |    | X    | ×   |     | 16          | ×       |     | X       | X       |       | 6               | 6               | 20      | 179.     | 44 1.38   |
|    |             |                |     |     |    | ×  | ( 7  |    | X    | a   |     | 1           | X       |     | X       | X       |       | 6               | 5               | 11/4    | 1023     | 1 1 1 1 1 |
|    | 1           | · X            |     |     |    | >  | (    |    | X    | >   | <   | X           | ×       |     | X       | ×       | <     | 6               |                 | 1       | قيقها و  | 17 - 150  |
| 1  | l y         |                |     |     |    | 1  | (    |    | ×    | X   |     | X           | >       | <   | X       | X       |       | 6               | 6               | - 20    | 401      | 1 1 - 8 % |
|    | 1           | (1)            |     |     |    | )  | X    |    | X    | ×   |     | X           | >       | <   | X       | X       |       | 6               | 6               | 20      | 000      | 12 1 3%   |
|    | 1           | X              |     |     |    | >  | (    |    | X    | ( > | <   |             | >       | <   | X       | ×       |       | 6               | E               | >       | X seed   | 30 7 35   |
|    | X           |                |     |     |    | ×  | 1 74 |    | ×    | X   | î   |             | ×       |     | X       | X       |       | 6               | , 6             | >       | Aba      | 361.18    |
|    | 1           |                |     |     |    | ,  | ~    |    | X    | ×   | <   | X           | >       | (   | ×       | X       |       | 6               |                 | h Li    | 3/20     | 30 1.68   |
|    |             |                |     |     |    | )  | (    |    | ×    | X   | (   | X           | ×       |     | X       | ×       |       | 6               | 6               | ,       | Hay '    | 33.11     |



# ATTENDANCE REGISTER FOR THE

| Q.  | <b>D Silvari A</b> I              | ILLIAN          |             |          |      | - W. E. |          |   |          |     |     |     |        | 1    |     |
|-----|-----------------------------------|-----------------|-------------|----------|------|---------|----------|---|----------|-----|-----|-----|--------|------|-----|
| No. | NAME                              | Designation     | 1           | 2        | 3    | 4       | 5        | 6 | 7        | 8   | 9   | 10  |        |      | 13  |
| 1.  | Agnie Fathima N                   | 5 X             | X           |          | X    | X       |          | X | X        | 7   |     |     | a      | x    |     |
| 2.  | Amna Fathima.                     | x x             | X           |          | 4    | X       |          | 9 | 100      |     |     |     | X      | X    |     |
|     | Amouth a Jaya kumas               | y X             | X           |          | X    | X       |          | X | A        |     |     |     | X      | X    |     |
|     | Anjana Scenil.                    | X               | X           |          | E.   | X       |          | X | 4        |     |     |     | 9      | X    |     |
| 5.  | Anger Viswanathan                 | X               | X           |          | 1    | X       |          | X | X        |     |     |     | X      | X    |     |
| 6.  |                                   | X               | X           |          | y a  | X       |          | X | A        |     |     |     | 9<br>X | X    |     |
| 7.  | Assun. P.                         | B A             | X           |          | X T  | X       |          | X | 4        |     |     |     | X      | X    |     |
| 8.  | Anyamol. S.                       | X               | X           |          | X    | X       | -        | a | A        |     |     |     | a      | X    |     |
| 9.  | Devikushna                        | A K             | X           |          | X    | X       | 200      | X |          |     |     |     | X      | X    |     |
| 10. |                                   | 6 J X           | X           |          |      | X       |          | × | -        |     |     |     | X      | X    |     |
| 11. | Rieshmi M. Raju                   | C X             | X           |          |      | X       |          |   |          |     |     |     | X      | X    |     |
| 12. | Sangay Krishnan.s                 | 1               | X           |          |      | X       |          | X |          |     |     |     | X      |      |     |
| 13. | Sheha,                            |                 | X           |          | 1 50 | 8       |          | x |          |     |     |     | X      | X    |     |
| 14  | · Skeejith.S.<br>· Skeelekshmi.R. | A X             | X           |          | 1    | X       |          | X | 1        |     |     |     | a      |      |     |
| 15  | · Skelekshmi. R.                  |                 | X<br>  X    |          | T A  | X       | <u> </u> | ^ |          |     |     |     | X      | 1    |     |
| 16  | · Sukanya Sukhade                 | la <sub>0</sub> | \<br>\<br>X |          | 1 /2 | X       |          | X |          |     |     |     | X      |      |     |
| 17. | · Vinaya priya.A.                 |                 |             |          | 3 3  | X       | `        | × |          |     |     |     | X      |      | X   |
| 18  | · Vainda                          | A L             | X           |          |      |         | X        | × |          |     |     |     | 0      |      | Υ   |
| 19  | Ajil·S·B·                         |                 |             | X        | I A  |         | X        |   | X .      |     |     |     | ×      |      | 1   |
| 20  | · Anjana 1.V.                     |                 |             | <u> </u> | 1    |         | X        |   | <b>X</b> |     |     |     |        | 1    | X   |
| 21  | . Anugeaha A.S.                   | X X             |             | X .      |      |         | X        |   | X        |     |     |     |        |      | X   |
| 22  | Arabhi A.R.                       |                 |             | X        |      |         | X        |   | X        |     |     |     |        | 1    | X   |
| 23  | . Chippy Harish                   |                 |             | X        | H    |         | X        |   | X        |     | +41 |     |        | 1    | X   |
| 24  | · Gowsi Peasag                    | X A SA          |             | <b>*</b> |      |         | X        |   | X        |     |     |     |        |      | X   |
| 25  | Krushna · S.V.                    | X X Pages       |             | ×        |      |         | X        |   | X        |     |     |     |        |      | X   |
| 26  | Meenakshy. A.                     |                 |             | X        |      |         | X        |   | X        | 6.1 |     |     |        | X    | X   |
| 23  | 7. Meenu Ramesh                   |                 |             | X        |      | y 1     | X        |   | X        |     |     |     |        | X    | X   |
| 28  | Reshma. R.S.                      |                 | _           | X        |      |         | X        |   | X        |     |     |     |        | X    | X   |
| 29  | Rohini S. Pillai                  |                 |             | X        |      |         | X        |   | X        | X   |     |     |        | X    | X   |
| 31  | Shamla. P.S.                      | Y SELE          | 2           | X        |      |         | X        |   | ×        |     |     |     |        | X    | X   |
| 31  | Saadha, R.                        | N VI            |             | X        |      | X I     | X        |   | X        |     |     |     |        | ×    | X   |
| 36  | Skelekstmi. M.S                   | 2 2             |             | X        |      | 73      | X        |   | X        | X   |     |     |        | X    | X   |
| 3:  | A. Vismaya. V.                    | ×X              | X           | X        |      | 1       | X        |   | 7        | X   |     |     |        | ×    | *   |
| 2   | A. Wichaya. V.                    |                 |             |          |      |         |          |   |          |     | 145 | 100 |        | 1111 | 100 |

|      | 14  | 15  | 16 | 17  | 18  | 19 | 20  | 21 | V<br>22 | 23  | 24 | 25  | 26 | 27 |     |      | 30   | 31  | Working | Days | Days   | Leave   | Rema   |
|------|-----|-----|----|-----|-----|----|-----|----|---------|-----|----|-----|----|----|-----|------|------|-----|---------|------|--------|---------|--------|
|      |     |     | X  |     | X   | X  |     | X  | X       |     | ×  | X   | 1  | X  | X   | ×    |      |     |         |      | - 10   |         |        |
|      |     |     |    |     | ×   | M  |     | X  | a       |     |    | X   |    | X  | -   | X    |      | 140 | 12      |      |        | 144     | 10     |
|      |     |     | X  |     | X   | X  |     | X  | X       |     |    | X   |    |    | X   |      |      |     | 12      | 1    | )      | Pilitan | á I    |
|      |     |     | 1  |     | X   | X  |     | X  | X       |     |    | X   |    | X  | X   | X    |      |     | 12      | 12   | 201    | 15.69   | A.     |
|      | 1   |     | 1  |     | X   | X  |     | X  | X       |     |    | X   |    | X  | X   | X    |      |     | 12      | 11   |        |         | 61.    |
|      |     |     | X  |     | X   | A  |     | X  | X       |     |    | a   | 2  | X  | X   | X    |      |     | 12      | 12   | 1 July |         | A.     |
|      |     |     | 2  |     | X   | 2  |     | X  | X       |     |    |     |    | X  | X   | X    | -    |     | 12      | 11   | 24     |         |        |
|      |     |     | K  |     | X   | K. |     |    | X       |     |    | Q X |    | X  | X   | X    | +    |     | 12      | 11   |        |         |        |
|      |     |     |    |     | X   |    | 1   | X  | X       |     |    |     |    | X  | X   | X    | -    | 4   | 12      | 11   |        |         |        |
|      |     |     |    | 1   | X   |    |     | 5  | 1       | 1   |    | X   |    | X  |     | X    |      | -   | 12      | 11   | 1 kg   |         |        |
|      |     |     |    | >   | 0   |    | >   | ,  | (       |     |    | X   |    | ., |     | X    | -    |     | 12      | 12   | AA L   |         |        |
| -    |     |     |    | >   |     |    | X   |    |         | 1/2 | ,  |     |    |    | , , | X    |      |     | 12      | 12   | + 100  | 2 8     |        |
|      |     | 1   |    | ×   |     |    | X   |    |         | 1   |    | 1   |    | XX | -   | (    | 1/20 | -   | 12      | 12   | 34341  | 1914    |        |
|      |     |     |    | X   | 1 2 | 10 | X   |    |         | · V | X  | 4   | >  | 1  |     | <    | -    | 1   | 2       | 12   | H as   | 2/2     | 1.4    |
|      |     | X   |    | X   |     |    | X   | X  | 1       | 1   |    | 1   |    | -  | XX  |      | -    | 1   | 12      | 11   |        | 12      | , d    |
|      |     | jk. |    | X   | · X |    | X   | X  |         | 1   | X  | ,   | X  |    |     | -    | -    |     | 2       | 4    |        |         | 1.31   |
|      |     | 1   |    | X   | 1×  |    | X   | X  |         |     | X  |     | X  | 1  | -   | -    | 30   |     |         | 2    | 4.00   | 1/2     | 101    |
|      |     | Y.  |    | X   | X   |    | X   | X  |         | y   | X  |     | X  | 17 | 0   | -    |      |     |         | 2    | Dis    | AN      | 1-11   |
|      |     | W.  |    | X   | X   |    | X   | X  |         | X   | X  |     | X  | X  | X   | -    | -    |     |         | 2    | 010/   | HV      | 1 - 21 |
|      |     | X   |    | X   | X   |    | ×   | X  |         | X.  | X  | y.  | X  | X  | -   |      |      | 16  |         | 18   | 13-1   | ila     | 1      |
|      |     | Y.  |    | X   | 0   |    | X   | X  |         | X   | X  |     | X  | X  | X   |      |      | 0   | 2 1     | 2    | die 1  | 113     | - 06   |
| -    |     | 16  |    | X   |     |    | X   | X  | 0       | X   | X  |     | X  |    |     |      | - 4  | 10  |         | 2    | A)     |         | 1110   |
|      |     | X   |    | X   | X   |    | X   | X  |         | Z   | X  | × 1 | X  | X  | X   |      |      | 16  | 2 12    | 2    | 1 300  | R       | . 66   |
| -    | 1   | X   |    | X   | X   |    | X   | X  |         |     | X  |     | X  | X  | X   |      |      | 16  | 2 10    | 2    | 1104   | 10      | 1.66   |
|      | 1   | X   |    | X   | X   | 1  | X   | x  |         |     | X  |     |    | X  | X   |      |      | 12  | 12      |      | Towns  | P       | 1-5%   |
| 2    | 1   | 16  |    | X   | X   |    | X   | X  |         |     | X  |     | X  | X  | X   |      |      | 12  | 12      | b.A  | 1 200  |         | -2/2   |
| 1    |     | 4   | 1  | X   | X.  | 1  |     | x  |         | ,   | <  | 1   | X  |    | X   |      |      | 12  | 12      |      | 10.151 |         | 160    |
|      |     | 8   | )  | X   | X   | 1  |     | x  |         |     | x  |     |    | X  | X   |      | -    | 12  | 12      | 1    | ) (100 | N.      | -50    |
|      |     |     | 1  | X   |     | >  | A   | 0  |         |     | 1  |     | V  |    | X   |      | -    | 12  | 12      | 2 N  | 4024   |         | 2%     |
|      | 1   |     | >  | (   |     | ×  |     | r  | 1       | 7   | 1  |     | 0  |    | X   | 3/2  | 30   | 12  | 12      |      | 1      | 2       |        |
|      | 13  |     | X  | 1   |     | X  | A . |    | Z       | 2   | 1  | 7   | 1  | 1  | X   |      | -    | 12  | 12      | - 21 | Person | 6       | 6.5    |
|      |     |     | )  | <   |     | X  | 1   |    | X       | X   | -  | 7   | 1> |    | X   |      |      | 12  | 12      | AA   | 200    |         | 1.5    |
|      | X   |     | )  | R   |     | X  | 1   |    | 1       | X   | -  |     | 1  | /  | <   |      | -    | 12  | 12      | MA   | 344    |         | 4.2    |
|      | X   |     | X  | ( X |     | ×  | 1   | X  | 1       | ×   |    | X   | 1  | 1  | 5   |      | 1    | 2   | 12      | 10   | kary   | 3.1.    | 241    |
|      | IAR | AYA | NA |     |     |    | -   | 1  |         | 1   | -  | X   | X  | 7  | X   | 1    | 12   | 72  | NOIF    | ACO  | LEGE   | /  .    | 15     |
| G.E. |     |     |    | 10% | 101 | -  |     |    |         |     | -  |     | -  | -  | 1   | SIT! |      | HAR | NGA     | NNUF | 1      |         |        |
|      |     |     |    |     | 100 |    |     | -  | -       | -   |    |     |    |    | 41  | 1    | 11   | GIL | -       |      |        |         |        |

|            | TOANL                      | Designation | 2 3 | 4 5 6 | 7 8 9 | 10 11 1 | 2 13 |
|------------|----------------------------|-------------|-----|-------|-------|---------|------|
| 1.         | Ajni Fathima N             | XXXXX       | X   |       | X     | X       |      |
| 2.         | Amna Fathina               | X X X       | a   | L K   | X     | X       |      |
| 3.         | Amrutha Yayakumae          | XXXXX       | X   | X X y | X     | X       |      |
| 4.         | Anyang Suril.              | XXXX        | X   | M X X | X     | X       |      |
| 5.         | Anja Viswarathan           | x x a       | X   | XX    | X     | X       |      |
| 6.         | Anjumol Paul.              | X           | X   | 1 1   | X     | x       |      |
|            | Agun. P.                   | X           | X   | Y X   | a     | X       |      |
|            | Azyamol.S.                 | XXXX        | X   | MXX   | X     | X       |      |
| 9.         | Devikaishna.               | X           | X   | XX    | X     | X       |      |
| 10.        | Greeshing. G.              | X           | X   | N X X | X     | X       |      |
|            | Reshmi. M. Raya.           | XXXXX       | X   | y X   | X     | X       |      |
|            | Sanjay Kreshnan.S.         | XXXXX       | X   | y x   | X     | X       |      |
|            | Sneha!                     | XXXXX       | X   | MXX   | X     | X       |      |
|            | Snegith. S.                | XXX         | X   | Y X   | X     | X       |      |
| 15.        | See se kohmi. R.           | X           | X   | 1 1 1 | X     | X       |      |
| 16.        | Sukanya Sukhadevan         | XXXX        | X   | Y z   | X     | 01      |      |
| 17.        | Vinaya Priya. A.           | X           | X   | H X X | X     | X       |      |
| 18:        | Vainda.                    | X           | X   |       | X     | X       |      |
| 19.        | Ajil·S·B·                  | X           | X   |       | X     | X       |      |
| 20.        | Angana.7. V. Anugraha.A.S. | X           | X   |       | XX    | X       |      |
|            |                            | XXXX        | X   |       | a     | X       |      |
|            | Arabhi. A.R.               | XXXX        | X   | Y X   | X     | X       |      |
| <u>23.</u> | Chippy Harish              | X X X X     | X   | XX    | X     | X       |      |
|            | Gown Peasad.               | XXXX        | X   |       | X     | X       |      |
|            | Krishna. S.V.              | XXXXX       | X   |       | X     | X       |      |
| 26.        | meenakshy. A.              | X           | X   | X X   | X     | X       |      |
|            | Meen v Ramesh.             | XXXX        | X   | XX    | X     | X       |      |
|            | Reshma. R.S.               | XXX         | X   | 1 / X | X     | X       |      |
| 29.        | Rohini S. Pillai           | XXXX        | X   |       | X     | X       |      |
| 30.        | Shamla. P.S.               | XXXX        | X   | YX    | X     |         |      |
| -31.       | Skadha R.                  | X           | X   | X X   | X     | X       |      |
| 38.        | Sælekshmi. M.S             | XXXX        | X   | XX    | X     | X       |      |
|            | Seuthij. S.                | XXX         | X   | LX X  | X     | X       |      |
| 34.        | Vismaya. V.                | × × ×       | X   | XX    | X     | X       |      |
|            | Mary Company               |             |     |       |       |         |      |
|            |                            |             |     |       | 1/3/1 |         |      |

| 14 15 | 16 | 17  | 18  | 19   | 20  | 21 | 22  | 23 | 24   | 25  | 26   | 27         | 28  | 29       | 30    | 31  | Work | Day | Day | Lear        | Remarks     |
|-------|----|-----|-----|------|-----|----|-----|----|------|-----|------|------------|-----|----------|-------|-----|------|-----|-----|-------------|-------------|
|       | X  | X   | X   |      |     | X  |     |    |      | TY. | 6    |            |     |          | X     | 1)  | 7    | 7   | 0   |             | ATA         |
| 111 6 | X  | X   | X   |      |     | X  |     |    |      | X,  | χ.   |            |     |          | X     |     | 7    | 6   | III | 2.40        | Alle        |
|       | a  |     | Y   |      |     | X  |     |    | k. T |     | Λ.   |            |     |          | X     |     | 7    | 6   |     |             | A 11.8      |
|       | X  | X   | Z   |      |     | X  |     |    | X    |     |      |            |     |          | X     |     | 7    | 7   | 0   |             | 4 4         |
|       | X  | X   | 1   |      |     | X  |     |    | X    |     |      |            |     |          | a     |     | 7    | 5   | 2   |             | 41.3        |
|       | X  | X   | X.  |      |     | X  |     |    | A    |     | 4    |            |     |          | X     |     | 7    | 7   | 0   | NE          | Alla        |
|       | X  | X   | X.  |      |     | X  |     |    | X    |     | 4    |            |     |          | X     |     | 7    | 6   | 1   | JI's        | Alle        |
|       | X  | X   | 6   |      |     | X  |     |    | X    |     | x i  |            |     |          | X     |     | 7    | 7   | 0   |             | 4 9         |
|       | X  | X   | X   |      |     | X  | a v |    |      |     | 4    |            |     |          | X     |     | 7    | 7   | 0   | 17/38       | 4 1         |
|       | a  | V   | X   |      |     | X  |     | 7  | X    |     | X    |            |     |          | X     |     | 7    | 6   | 1   | Dax         | o II rai    |
|       | ×  | X   | K   |      |     | X  |     |    | X    | H   | X.I  |            |     |          | X     |     | 7    | 7   | 0   | ka li       | D. H. II    |
|       | X  | X   | X   |      |     | X  |     |    |      |     | X.   |            |     |          | X     |     | 7    | 7   | 0   |             | 9 45        |
|       | X  | X   |     |      |     | X  |     |    | X    | M   | X.   |            |     |          | X     |     | 7    | 7   | 0   | N.          | 24 21       |
|       | X  | X   | X   |      |     | X  |     |    | X.   |     | X    |            |     |          | X     |     | 7    | 7   | 0   |             | 3 11 141    |
|       | X  | X   | N.  |      |     | X  |     |    | X    |     | K.   |            |     |          | X     | , y | 7    | 7   | 0   | V<br>Factor | & 11-21     |
|       | X  | X   | K   |      |     | X  |     |    | is.  |     | A    |            |     |          | X     |     | 7    | 5   | 2   | 034         | 2 -         |
|       | X  | X   | ×   |      |     | X  |     |    | X    | M   | ž    |            |     |          | X     |     | 7    | 7   | 0   | DA.         | V · · · · · |
|       | X  | X   | X   |      |     | X  |     |    | K    | X   | X.   |            |     |          | X     |     | 7    | 7   | 0   | Z A LA      | N - 1 - 8   |
|       | X  | X   | X   |      |     | X  |     |    | X    |     | A    |            |     |          | X     |     | 7    | 7   | 0   |             | £ 1.94      |
|       | X  | X   | X   |      |     | X  |     |    | X    |     | X    |            |     |          | X     |     | 7    | 7   | 0   | 100         | Alles       |
|       | X  | X   | X   |      |     | X  |     |    | N.   | V   | X.   |            |     |          | X     |     | 7    | 6   | 1   | 5131        | Alac        |
|       | X  | X   | X   |      |     | X  |     |    | X    |     | X    |            |     |          | a     |     | 7    | 6   | 1   | E.          |             |
|       | a  | X.  | À.  |      |     | X  | X   |    | λ    |     | X    |            |     |          | X     |     | 7    | 6   | 1   | 1           |             |
|       | X  | X   | X   |      |     | X  |     |    | X    |     | X    |            |     |          | X     |     | T    | 7   | 0   | 100         | 8 4         |
|       | X  | X   | X   |      |     | X  |     |    | X    |     | XI   |            |     |          | X     |     | 7    | 7   | 0   | de          | N 3         |
|       | X  | X   |     |      |     | X  |     |    | X    |     | X    |            | N.  |          | X     |     | 7    | 7   | 0   | 113         | ca -35      |
|       | X  | X   | X   |      |     | X  |     |    | Х    |     | X    |            |     |          | X     |     | 7    | 7   | 0   | 0.25        | MI T        |
|       | X  | X   | X   |      |     | X  |     |    | X    |     | X II | V          |     |          | X     |     | 7    | 7   | 0   | Art         | A. 11-80    |
|       | X  | X   | X   |      |     | X  | N   |    | W    |     | X.   | Y          |     |          | X     |     | 7    | 7   | 0   | i À         | 1 66        |
|       | X  | ×   | X   |      |     | X  |     |    | X    |     | X    |            |     |          | X     |     | 7    | 7   | 0   |             | 2 - 95      |
|       | X  | X   | X   |      |     | X  |     |    | X    |     | K    | Y          |     |          | X     |     | 7    | 7   | 0   |             | J. H. NE    |
|       | X  | X   | X   |      |     | X  |     |    |      |     | X    | 7          |     |          | X     | 3.5 | 7    | 7   | 0   | Mex         | 2 1 28      |
|       | X  | X   | y   |      |     | X  |     |    | X    |     | 1    | Fred a     | 1   |          | X     |     | 7    | 7   | 0   | w.X         | -58         |
|       | X  | DI  | YAN | VA C | 1   | X  |     | X  | X    |     | L    |            | AL  |          | - St  |     | 7    | 7   | 0   | 1514        | × 11.48     |
|       | 44 | AAN |     |      | OLL | 12 |     |    |      |     | PRI  | JAP<br>JOH | AC  | JR<br>JR | X     |     | 67   |     |     |             |             |
|       | -  |     |     |      |     | E  |     |    | SB   | EER | CHE  | NG         | Mis |          | 22.50 |     |      |     |     |             | le le       |
|       | 1  | CHE | NGA | NNU  | R   | /  |     |    |      |     |      |            |     |          | - /   |     |      |     |     |             | 0           |

| NO. | NAME                    | Designation | 1  | 2 | 3 | 4    | 5 | 6   | 7  | 8  | 9 | 10 | 11          | 12               | 13  |
|-----|-------------------------|-------------|----|---|---|------|---|-----|----|----|---|----|-------------|------------------|-----|
| 1.  | Agni Fathena N          |             | X  |   | X |      |   | Y   |    |    | X | X  | X           | Y                |     |
| 2.  | Amna Fathima.           |             | X  |   | X |      |   | V   |    |    | X | X  | X           | 6                |     |
| 3.  | Amoutha Tayatuma        |             | X  |   | X |      |   | V   |    |    | × | X  | Y           |                  |     |
| 4.  | Anjana Suris.           |             | X  |   | X |      |   | X-A | Y  |    | X | X  |             | ň.               | 7   |
| 5.  | Arju Viswarathan        |             | X  |   | X |      |   | -0  |    |    | X | X  | - X         | X                | 4   |
| 6.  | Argumol Paul.           |             | X  |   | X | N    |   |     |    |    | X | X  | Ž           |                  | -4  |
| 7.  | Agun.P.                 |             | X  |   | X |      |   |     |    |    | X | X  | 7           |                  |     |
| 8.  | Anyamol.S.              |             | X  |   | X |      |   | Z   |    | Y  | X | X  | X           |                  |     |
| 9.  | Devikushna              |             | X  |   | X | M    |   | / / | V  | 1  | X | X  | v           |                  |     |
| 10. | Greshma, G.             |             | X  |   | X | Y    |   |     | 7- |    | X | X  | ×           |                  | 7   |
| 11. | Restmi. M. Rajey        |             | X  |   | X |      |   |     |    | Y  | X | X  |             |                  |     |
|     | Sangay Kreshman. S.     |             | X  |   | X |      |   |     |    |    | X | X  |             |                  |     |
| 13. | Sacha.                  |             | X  |   | X | VI   |   | 1   |    |    | X | X  | X           |                  |     |
| 14. | Sregith.S.              |             | X  |   | X | Y    |   | 7   |    |    | X | X  | W           |                  |     |
| 15- | Seelekshmi. R.          |             | X  |   | X |      |   |     |    |    | X | X  | V           |                  |     |
| 16. | Sukanya Sukhadevas      |             | X  |   | x |      |   |     |    |    | X | X  | K           |                  |     |
| 17. | Vinaya Priya . A.       |             | X  |   | X |      |   |     |    |    | X | X  | X           |                  |     |
| 18- | Veinda                  |             | X  |   | × |      |   |     |    |    | X | Χ  | 1           |                  |     |
|     | Ajil.S.B                |             | X  |   | X |      |   |     |    |    | X | X  |             |                  |     |
| 20. | Anyana . T. V.          |             | X  |   | X |      |   |     |    | Y. | X | X  | ¥           |                  |     |
| 21: | Anagraha. A.S.          |             | X  |   | x |      |   |     |    | ,  | x | X  |             |                  |     |
|     | Arabhi A.R.             |             | X  |   | X |      |   | 1   |    | )  | 7 | X  | Y           |                  |     |
|     | Chippy Harish.          |             | X  |   | X |      |   |     |    | 1  | x | X  |             |                  |     |
|     | Gowri Prasad            |             | X  |   | X |      |   |     |    |    | X | X  |             |                  |     |
| 25. | Krishna. S. V.          |             | X  |   | X |      |   |     |    |    | X | X  | ~           |                  |     |
| 26. | Meeraks Ly. A.          |             | X  |   | X |      |   |     |    | 1  | 7 | X  | X<br>N      |                  |     |
|     | Meery Ramesh            |             | X  |   | X | 3.72 |   |     |    |    | X | X  |             |                  | 1   |
|     | Reshma. R.S.            |             | X  |   | X |      | 2 |     |    |    | X | X  | ×           |                  |     |
|     | Robini S. Pillai        |             | X  |   | X |      |   |     |    | )  | X | X  | ¥           |                  |     |
|     | Shamla. P.S.            |             | X  |   | X |      |   |     |    | 7  | X | X  | <b>&gt;</b> |                  | 92- |
|     | Szadla R.               |             | X  |   | X |      | Y |     |    |    | < | X  |             |                  |     |
|     | Seelekshni.m.s.         | 1           | X  |   | X |      | 1 |     |    |    | X | X  | 8           |                  |     |
| 33- | Sruthy.s.<br>Vismaya.V. | 1/3         | X  | 3 | X |      |   |     |    |    | - | X  | A-          | Y                |     |
| 34- | Vismaya. V.             |             | X  |   | X |      |   |     |    | )  | < | X  | X           |                  |     |
|     | U                       | 30 19 1     |    |   |   |      | 1 |     |    |    |   |    |             |                  |     |
|     |                         | A SHIP      | 11 |   |   |      |   | 79  |    |    |   |    | 10          | Name of the last |     |

|       | 14   | 15       | 16    | 17  | 18 | 19             | 20             | 21             | 22             | 23   | 24  | 25       | 26  | 27 | 28  | 29 | 30   | 31     | Working               | Days   | Days            | Leave   | Remarks |
|-------|------|----------|-------|-----|----|----------------|----------------|----------------|----------------|------|-----|----------|-----|----|-----|----|------|--------|-----------------------|--------|-----------------|---------|---------|
|       | ×    | <u> </u> | A Del | X   |    | X              | S <sub>1</sub> | X,             | X,             | X.   | X   |          | 4   |    |     |    |      | A      |                       |        |                 |         |         |
|       | 6    | 7        |       | X   |    | X              |                | X              | X              | 9.1  | XI. |          | Z   |    |     |    |      | 2      | 5                     | 5      |                 |         |         |
|       | 4    |          | 0,    | X   |    | Á              | X              | K.             | X.             | X    | Ž.  |          | 4   |    |     |    | Min. |        | 5                     | 5      |                 | 17.670  | 6 2     |
|       | A    |          |       | X   |    | A              |                | Sv.            | K              | X.   | X.  |          |     |    |     | Â  |      |        | 5                     | 5      | NAL.            | 25 6,6  |         |
|       | 6    |          |       |     | -  |                |                | 4              | X <sub>N</sub> | Á.   |     |          |     |    |     |    | 68   | À      | 5                     | 5      | 117             |         |         |
|       | 4    |          |       | X   |    |                |                |                |                |      |     |          |     |    |     |    |      | 1      | 5                     | 5      |                 | July to | A       |
|       | 1    |          |       | X   |    |                |                |                |                | 3 1  |     |          |     |    |     |    |      |        | 5                     | 5      |                 |         | 1 9     |
|       |      |          | _     | X   |    |                |                |                | 7              |      |     | 4        |     |    |     |    |      |        |                       | 5      |                 |         | A       |
|       | 4 %  |          |       | X   |    |                |                |                |                | X    |     | y K      |     |    |     |    |      |        |                       | 5      | 105             | 10      |         |
|       | X    | X        |       | × × |    |                |                |                |                | T S  |     | 46       | -   | -  |     |    |      |        |                       | 5      | Az :            |         | 311.61  |
|       | X    | X        |       | ¢   | 1  | X              | 1              |                |                |      |     | 46       |     |    |     |    | 1    |        |                       | 5      | (, E = 1)<br>() | 1: 5    | 37-14   |
|       | V    | X        | >     |     | ×  | X              | N.             |                | Ty             | Y Y  |     | Á        |     | -  | -   |    | 4    |        |                       | 5      | y e             |         | 21.0    |
|       | X    | ×        | X     |     | X  | 1              | 17/            |                | A X            |      |     | 1        |     | -  | +-  |    |      |        | 5 F                   | 5      | No.             | 2       |         |
| A A   | A    | X        | X     |     | X  | T <sub>A</sub> | X              |                | IX             | Q.   |     | Á        |     |    | +-  |    |      |        | 5 5                   |        |                 | M 2     |         |
| 1 4   | ×    | X        | X     |     | X  | Z              | X              | X              | X              | 7    |     | 7        |     |    |     | -  | 1.2  | 1      | 5 5                   | 2 3    |                 | 2       |         |
| 1 8   | X    |          | X     |     | X  | 2              | X.             | X              | X              | X    |     | A I      |     |    |     |    |      |        | 5 5                   |        |                 | 12      |         |
|       | X    | У        | X     |     | X  | Z              | X.             | 7              | X.             | X    |     | <i>y</i> | _   |    |     |    | Ġ.   | -      | 5 5                   | 9      |                 |         | Tak!    |
| 2     | X    | V.       | X     |     | X  | X              | X              | X <sub>k</sub> | A              | X    |     | X        |     |    |     |    |      | 5      | 5                     |        | à A             | 1       | - 31    |
| 8     | X    | 1        | X     |     | X  | X              | X              | X              | χ              | X    |     | X T      |     |    |     | Y  |      | 5      | 5                     |        | 11-3            | F       | 131     |
| 1     | X    | X        | X     |     | X  | X              | X.             | X              | χÌ             | X    |     |          |     |    |     |    |      | 5      |                       |        | 0/8             | 10      | 1135    |
| 4     | X.   | X        | X     |     | X  | X              | X              | X              | X              | X    |     | 2        |     |    |     |    |      | 5      |                       | AND    | 3013            |         | 11-15   |
| 1     | X    |          | X     |     | X  | X              | X              | X              | X              | Z.   |     |          |     |    |     |    |      | 5      |                       | 1      | 1.6             |         | 1.00    |
| A     | 8. 2 |          | X     |     | X  | XI             | X              | X              | X              | 4    |     |          |     |    |     |    |      | 5      |                       | L D    | N.              | 10      | منا     |
| 4-42  | 2    |          | X     |     | X  | X              |                |                | X              |      |     |          |     |    |     |    |      | 5      | 5                     | 37.5   | 200             |         | 37.5    |
| 7 /   | 1    |          | X     |     |    | XX             |                | X.             | X              |      | X   |          |     |    |     |    |      | 5      | 5                     | 100    | منها            | 2       | 126     |
| 1     | 12   | 200      | X     |     |    | X              | 2)             |                |                | X.   | X   |          |     |    |     |    | +    | 5      | 5                     | 2-01   | 3.54            |         | 36      |
|       | X    | >        |       |     |    |                | X              |                | 2              |      | X   |          |     |    |     | ,  |      | 5      | 5                     |        | 236             |         | · F Co  |
| 1 / X | X    | >        | (     | -   |    |                | X              | 2              |                |      | ZX  |          |     |    |     |    | - 11 | 5      | 5                     | ROM(   | 123             |         | 380     |
| 1     | X    | X        | 1     | X   |    | ×              | <b>E</b> 76    | X              | X              |      | X   |          |     |    |     | 1  |      | 5<br>5 | 5                     | 7-4    |                 |         | ماعي    |
| 1 1/4 | A    | X        | _     |     | X  | 1              | N N            | K              | X              |      | 12  |          |     |    |     |    |      | 5      | 5                     |        | 1               | -       | غون     |
| 1     | A    | X        | -     | X   | X  | AX             | X              | X              | X              |      | X   |          |     |    | 1.9 |    | - 11 | 2<br>5 | 5                     |        | M               | ym      | -12     |
| 1 2 2 | A    | X        |       | -   | A  | X.             | X              | X              | -              | RAY  | ANA | CO       |     |    |     |    |      |        |                       | ICIPA  | L               | *       | -22     |
|       |      | <u> </u> | -     | -   | A  | X              | X              | 6              | E NA           |      |     | CO.      | 100 | 1  |     |    | PA   | E      | BRIN<br>NARAN<br>SHEN | ANA    | COLL            | EGE     | CO      |
|       |      | _        | -     | -   |    |                |                | 2              |                |      |     |          | 1   |    |     |    |      | 1      | -                     | SAIVIN |                 | Bur     | ¥C.     |
|       |      |          |       |     |    |                |                | 1              | 0              | HĖNO | AN  | UR       |     |    |     |    |      |        | 5                     |        |                 |         |         |



# ATTENDANCE REGISTER FOR THE

| No.  NAME  Designation 1 2 3 4 5 6 7 8 9 10 11 1  I Ajmi Fatkina N  R. Amna Fathina  R. Amna Fathina  R. Amyana Shahi  A Hyana Shahi  B Hayana Shahi  R. Amamol S.  A May X X X X X X X X X X X X X X X X X X X  |                           |                   |         | YUA  | IA     |     | T | EG |     |       |     |           | O | R   | ſ |
|--|---------------------------|-------------------|---------|--|--------|-----|---|----|-----|-------|-----|-----------|---|-----|---|
| Amna Fathima N  3. Amna Fathima  3. Amnutha Taya kuma  4. Ayama Suail  5. Angu Viswa a a kan  6. Angu Miswa a a kan  7. Angu Viswa a a kan  8. Angu North No | No                        | NAME              | Designa | STORY THE RESIDENCE OF THE PARTY OF THE PART |        | 3   | 4 | 5  | 6   | 7     | V   |           |   |     | 1 |
| Amna Fathuna.  3. Amrutha Tayakuma.  4. Anyama Guail  5. Anyu Viswanathan  6. Aryumol Paul  7. Myun P.  8. Amamof S.  9. Deviknshna.  10. Greeshma. G.  11. Rishmi. M. Raju.  12. Saeyay Kaishdan.S.  13. Saetekshmi. R.  14. Saeyah Rajaya.A.  15. Sheelekshmi. R.  16. Sukanya Sukhadwa.  17. Vinaya Pziya.A.  18. Vinada  19. Anyama. T.V.  21. Anyama. T.V.  22. Analhi. A.R.  23. Chippy Harish  24. Gewii Prasad.  25. Kaishna. S.V.  26. Meenakshy.A.  27. Meenu Ramesh.  28. Seelekshmi. S.  29. Kaishna. S.V.  20. Shamla. S.V.  21. Meenu Ramesh.  22. Meenu Ramesh.  23. Kaishna. S.V.  24. Meenu Ramesh.  25. Kaishna. S.V.  26. Seelekshmi. S.  27. Meenu Ramesh.  28. Reshma. R.S.  29. Rohini. S. Pillai  20. Shamla. P.S.  20. Seelekshmi. M.S.  21. Saadha. R.  22. Seelekshmi. M.S.  23. Seelekshmi. M.S.  | = 1                       | Almi Fath         |         |  |        |     |   |    |     |       | 3hr |           |   |     |   |
| 3. Amretha Tayakumal. 4. Anyama Suail 5. Anyu Visuanathan 6. Anyumol Paul 7. Nayama Suail 8. X X X X X X X X X X X X X X X X X X X   | 2                         | Amna toff         |         | X  |        | X   | X | -  | X   | R     | ×   |           | × | 7   | 0 |
| 4. Hygama Shail  5. Angu Visuanathan  8. X X X X X X X X X X X X X X X X X X X   |                           | Amore the To 1    |         |  |        |     |   | X  | 100 | X     | X   |           | X | X   | 0 |
| 5. Angu Visuanathan  6. Angumol Paul  7. Angumol Paul  8. Amamol S.  9. Deviknishna.  10. Greeshma. G.  11. Rishmi M. Ragu.  12. Sangay Kacshiran S.  13. Saeha  14. Saegith. S.  15. Seecle Rishmi R.  16. Sukanya Sukhadwan  17. Vinaya Paiya. A.  18. Vinada  19. Ajil. S. B.  20. Anghi. A.R.  21. Anghi. A.R.  22. Anghi. A.R.  23. Chippy Hamsh  24. Gowin Brasad.  25. Kaishna. R.  26. Meenakshy. A.  27. Meenu Ramesh.  28. Reshma. R.  29. Kaishna. S.V.  20. Shamla. P.S.  21. Meenakshy. A.  22. Rohini. S.V.  23. Rohini. S.V.  24. Gowin Brasad.  25. Kaishna. R.S.  26. Meenakshy. A.  27. Meenu Ramesh.  28. Reshma. R.S.  29. Seedle Kishmi. M.S.  21. Saadha. R.  22. Rohini. S. Pillai  23. Seedle Kishmi. M.S.  24. Seedle Kishmi. M.S.  25. Kaishna. R.S.  26. Reshma. R.S.  27. Meenu Ramesh.  28. Seedle Kishmi. M.S.  29. Seedle Kishmi. M.S.  20. Saadha. R.  20. Saadha. R.  20. Saadha. R.  21. Seedle Kishmi. M.S.  22. Rohini. S. Pillai  23. Seedle Kishmi. M.S.  24. Seedle Kishmi. M.S.  | 4.                        | Anana Sugakun     | yell.   |  |        | -   |   |    | X   | X     | X   |           | X | X   | X |
| Figure Poul  F. Anjun P.   | 5.                        | Any Vicula a Ac.  |         | 1  |        | ,   |   | ,  |     |       | X   |           | X | Q   | X |
| 8. Ambamot S. 9. Deviknshaa. 10. Greeshma. G. 11. Reshmi. M. Ragu. 12. Sanjay kacshdan S. 13. Sasha 14. Sheepith. S. 15. Sheefekshmi. R. 16. Sukanya Sukhadwan 17. Vinaya Priya. A. 18. Vinaya Priya. A. 19. Ajil. S.B. 20. Angana. T.V. 21. Angana. T.V. 22. Anabhi. A.R. 23. Chippy Hansh 24. Growin Prasad. 25. Kashna. S.V. 26. Meenakshy. A. 27. Meenu Ramesh. 28. Reshma. R.S. 29. Rohini. S. Pillai 20. Shamla. P.S. 21. Shamla. P.S. 22. Rohini. S. Pillai 23. Shamla. P.S. 24. Rohini. S. Pillai 25. Kashna. R.S. 26. Reshma. R.S. 26. Reshma. R.S. 27. Meenu Ramesh. 28. Reshma. R.S. 29. Rohini. S. Pillai 20. Shamla. P.S. 21. Shadha. R. 22. Rohini. S. Pillai 23. Shamla. P.S. 24. Rohini. S. Pillai 25. Kashna. R.S. 26. Reshma. R.S. 26. Reshma. R.S. 26. Shamla. P.S. 27. Meenu Ramesh. 28. Reshma. R.S. 29. Shamla. P.S. 31. Shadha. R.  |                           | Anymol Day        | 7       |  |        |     |   |    | X   | 10.50 | X   |           | X | X   | X |
| 8. Ambamol S. 9. Deviknshna. 10. Gyreeshma. G. 11. Reshmi. M. Rayu. 12. Sanyay Kacshman. S. 13. Sneha 14. Sneha 16. Sukanya Sukhadwan 17. Vinaya Priya. A. 18. Vxinda 19. fijil. S. B. 20. Angay A. 21. Phugecha. A. 22. Analki. A.R. 23. Chippy Hanish 24. Gown Brasad. 25. Keishna. S.V. 26. Meenakshy. A. 27. Meenu Ramesh. 28. Rohini. S. Pillai 29. Rohini. S. Pillai 30. Shamla. P.S. 31. Skadha. R. 32. Radha. R. 32. Radha. R. 33. Skadha. R. 34. Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx  | 7.                        | Arun P.           |         |  |        | X   | - |    | X   |       |     |           |   |     | X |
| 10. Greeshma. G.  11. Reshmi. M. Rayu.  12. Sanyay Kacshhan. S.  13. Sasha  14. Sreepith. S.  15. Sreetekshmi. R.  16. Sukanya Sukhadwan  17. Vinaya Priya. A.  18. Vxinda  19. Ajil. S.B.  20. Angana. T.V.  21. Angana. T.V.  22. Angana. T.V.  22. Angana. T.V.  23. Chippy Harish  24. Geowin Parasad.  25. Kaishna. S.V.  26. Meehakshy. A.  27. Meenu Ramesh.  28. Kaishna. R.S.  29. Reshma. R.S.  20. Shamla. P.S.  21. Skadha. R.  22. Skaelekshmi. M.S.  | 8.                        |                   |         |  |        | 7   |   |    |     |       |     |           |   | X   | X |
| 10. Gyreshma. G.  11. Reshmi. M. Rayu.  12. Sanyay kashhan. S.  13. Saeha  14. Seeyith. S.  15. Seelekshmi. R.  16. Sukanya Sukhadwa,  17. Vinaya Pziya. A.  18. Vinaya Pziya. A.  19. fijil. S. B.  20. fingana. T.V.  21. frugecha. A.S.  22. Arabhi. A.R.  23. Chippy Harish  24. Gowini Borasad.  25. Kaeshma. S.V.  26. Meenakshy. A.  27. Meenu Ramesh.  28. Reshma. R.S.  29. Rohini. S. Pillai  20. Shamla. P.S.  21. Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx  | 9.                        | Devitorshaa.      |         |  |        |     |   |    |     |       | X   |           |   | X   | X |
| 11. Reshmi M. Rayu.  12. Sanyay Kasshidan S.  13. Sheha  14. Sheepith S.  15. Sheelekshmi R.  16. Sukanya Sukhadwan  17. Vinaya Pziya A.  18. Vxinda  19. Hjil. S.B.  20. Angelaha A. S.  21. Angelaha A. S.  22. Anabhi A.R.  23. Chippy Hansh  24. Gowin Porasad.  25. Keeshna S.V.  26. Meenakshy A.  27. Meenu Ramesh.  28. Reshma R.S.  29. Rohini S. Pillai  30. Shamla P.S.  21. Sadha R.  22. Rohini S. Pillai  23. Chepty Hansh  24. Rohini S. Pillai  25. Keeshma R.S.  26. Rohini S. Pillai  26. Rohini S. Pillai  27. Meenu Ramesh.  28. Rohini S. Pillai  29. Sadha R.  20. Shadha R.  20. Shadha R.  | 10.                       | Greeshma. G.      | 2-1     | 1  |        |     |   |    |     |       | X   | - 100     |   |     |   |
| 13. Sangay Kacshiran S.  13. Sasha  14. Sheepith S.  15. Sheele Rshimi R.  16. Sheele Rshimi R.  16. Sheele Rshimi R.  17. Vinaya Priya A.  18. Vinada  19. Ajili S.B.  20. Angana T.V.  21. Angana T.V.  21. Angana T.V.  22. Angaha A.  23. Chippy Harish  24. Gowri Parasad.  25. Kaishna S.V.  26. Meenakshy A.  27. Meenu Ramesh.  28. Reshma R.S.  29. Rohini S. Pillai  30. Shamla P.S.  21. Saadha R.  22. Rohini S. Pillai  23. Kaishna R.S.  24. Rohini S. Pillai  25. Kaishna R.S.  26. Reshma R.S.  27. Meenu Ramesh.  28. Reshma R.S.  29. Rohini S. Pillai  20. Shamla P.S.  21. Saadha R.  22. Saadha R.  | 11.                       | Reshmi M. Rayy.   |         |  |        |     |   |    |     |       | X-  |           | 1 | -   |   |
| 13. Sněha  14. Sheeyith S.  15. Skeelekshmi R.  16. Sukanya Suktadeva,  17. Vinaya Priya A.  18. Vxinda  19. Ajil S.B.  20. Angana T.V.  21. Angecha A.S.  22. Anabhi A.R.  23. Chippy Harish  24. Gown Prasad.  25. Krishna S.V.  26. Meenakshy A.  27. Meeny Ramesh.  28. Reshma R.S.  29. Rohini S. Pillai  30. Shamla P.S.  21. XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX   | 12.                       | Sanyay Kacshoan S |         |  |        |     | - |    |     |       |     |           |   |     |   |
| 19. Sheepth. S.  15. Sheelekshmi. R.  16. Sukanya Sukhadwa,  17. Vinaya Priya. A.  18. Vrinda  19. Hjil. S.B.  20. Angana. T.V.  21. Angana. T.V.  22. Anabhi. A.R.  23. Chippy Harish  24. Gowri Parasad.  25. Krishna. S.V.  26. Meenakshy. A.  27. Meenu Ramesh.  28. Reshma. R.S.  29. Rohini. S. Pillai  30. Shamla. P.S.  31. Skadha. R.  32. Skadha. R.  32. Skaelekshmi. M.S.  | 13.                       | Sacha             |         |  |        |     | , |    |     | 1     |     |           |   |     | X |
| 15. Skelekshmi R. X X X X X X X X X X X X X X X X X X  | 14.                       | Snegith S.        |         | A STATE OF THE STA |        |     |   |    | 1   | 1     | -   |           |   |     |   |
| 16. Sukanya Sukhadwa, X X X X X X X X X X X X X X X X X X X  | 15.                       | Orletek China. D. |         |  |        |     |   | 1  |     | 1     | 1   |           |   | ,   |   |
| 20. Angang T.V.  21. Anagecha A.S.  22. Anabhi A.R.  23. Chippy Harish  24. Gown Prasad.  25. Keishna S.V.  26. Meenakshy A.  27. Meenu Ramesh.  28. Reshma R.S.  29. Rohini S. Pillai  30. Shamla P.S.  31. Szadha R.  32. Kanada R.  32. Kanada R.  33. Szeelekshmi M.S.   | 16.                       | Sukanya Sukhade   | lan     |  |        |     |   | _  |     |       | `   |           | 1 |     |   |
| 20. Angang T.V.  21. Anagecha A.S.  22. Anabhi A.R.  23. Chippy Harish  24. Gown Prasad.  25. Keishna S.V.  26. Meenakshy A.  27. Meenu Ramesh.  28. Reshma R.S.  29. Rohini S. Pillai  30. Shamla P.S.  31. Szadha R.  32. Kanada R.  32. Kanada R.  33. Szeelekshmi M.S.   | 17.                       | Vinaya Priya . A. |         |  | -      | -   |   |    | +   | 1     | 1   |           |   |     |   |
| 20. Angang T.V.  21. Anagecha A.S.  22. Anabhi A.R.  23. Chippy Harish  24. Gown Prasad.  25. Keishna S.V.  26. Meenakshy A.  27. Meenu Ramesh.  28. Reshma R.S.  29. Rohini S. Pillai  30. Shamla P.S.  31. Szadha R.  32. Kanada R.  32. Kanada R.  33. Szeelekshmi M.S.   | 18.                       | Veinda            |         |  | THE RE |     |   |    |     | 1     | 1   | 8 3       |   |     |   |
| 20. Angecha. A.S.  21. Angecha. A.S.  22. Angelhi. A.R.  23. Chippy Harish  24. Gowri Prasad.  25. Krishna. S.V.  26. Meenakshy. A.  27. Meenu Ramesh.  28. Reshma. R.S.  29. Rohini. S. Pillai  30. Shamla. P.S.  Seelekshmi. M.S.  X X X X X X X X X X X X X X X X X X X   | 17.                       | 7/11.3.13         |         |  | 1199   |     | 2 |    |     |       |     |           |   |     |   |
| 22. Arabhi. A.R.  23. Chippy Hansh  X X X X X X X X X X X X X X X X X X X  | 20.                       | Aryana. T.V.      |         |  | 0 5    |     |   |    | 1   |       |     | Y         |   | , 1 |   |
| 23. Chippy Harish  X X X X X X X X X X X X X X X X X X X   | $\frac{\alpha I}{\alpha}$ | Preigeaha. A.S.   |         | X  |        | 100 |   | X  | X   | X     |     |           |   | , X | - |
| 24. Gowri Parasad.  25. Krishna: S.V.  26. Meenakshy. A.  27. Meeny Ramesh.  28. Reshma. R.S.,  29. Rohini. S. Pillai  XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX   | 22.                       | Hoashi A.R.       |         | X  |        |     |   |    |     | 1     |     | $\hat{x}$ |   | X   |   |
| 25. Kreshna S.V.  26. Meenakshy A.  27. Meeny Ramesh.  28. Reshma R.S.  29. Rohini S. Pillai  30. Shamla P.S.  31. Seadha R.  32. Seelekshmi M.S.  | 23.                       | Chippy Harish     |         | X  |        |     |   |    | X   |       |     | X         |   | X   | 1 |
| 26. Meenakshy. A.  27. Meenu Ramesh.  28. Reshma. R.S.,  29. Rohini. S. Pillai  30. Shamla. P.S.,  Skadha. R.,  31. Skadha. R.,  32. Seelekshmi. M.S.,   | 24.                       | your Prasad.      |         | X  | X      | X   | X | X  |     |       |     |           |   | 1   | 1 |
| 28. Reshma. R.S.,  29. Rohini. S. Pillai  30. Shamla. P.S.,  31. Skadha. R.,  32. Skeelekshmi. M.S.,  X X X X X X X X X X X X X X X X X X X  | 25.                       | Kreshna S.V.      |         | X  | X      | X   | X | X  |     |       |     | X         | ~ | X   | ) |
| 28. Reshma. R.S.,  29. Rohini. S. Pillai  30. Shamla. P.S.,  31. Skadha. R.,  32. Skeelekshmi. M.S.,  X X X X X X X X X X X X X X X X X X X  | ∞6.                       | neenakshy. A.     |         | X  | X      | X   | X | X  |     |       |     | X         | X | X   | V |
| 29. Rohini. S. Pillai X XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX   | 27                        | Presy Ramesh.     |         | X  | X      | X   | X | X  |     |       |     | X         | X | X   | X |
| 30. Shamla P.S. XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX   | 30                        | D. C. D. D. W.    |         |  |        | X   | X | X  |     |       |     | X         | × | X   |   |
| 31- Saadha R, XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  | 20:                       | rohine. S. Pillai |         |  |        | X   | X | X  |     |       |     | X         | X | ×   |   |
| 32. Seelekshmi M.S. XXXXXXX  | 2.4                       | Sandla PS.        |         |  | X      | X   | x | X  |     | 1     | 4   | X         | X | X   | X |
| 33- Sruthy. S. XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  | 30-                       | Saulaka K,        |         |  | X      |     | X |    | X   | X     |     | X         | X | X   | X |
| X X X X X X X X X X X X X X X X X X X  | 32-                       | Seit C            |         | X  | X      |     | X |    | -   |       |     |           | X | X   | X |
| 34. VISMOUNT X X X X X X X X X X X X X X X X X X X   | 34                        | Via               |         | X  | X      | X   | X | X  | X   | X     |     | X         | X | X   | X |

| 1   | ٨  | ۸С       | N  | T  | H  | O  |    |   | On        | 70  | in      | що | u  | ſ  | 2         | 20 | 2  | 2  | (       | 23d  | ays  | - 30           | hy)      |
|-----|----|----------|----|----|----|----|----|---|-----------|-----|---------|----|----|----|-----------|----|----|----|---------|------|------|----------------|----------|
| -   | 14 | 15<br>24 | 16 | 17 | 18 | 19 | 20 | 21                                      | 22<br>3hr | 23  | √<br>24 | 25 | 26 | 27 | 28<br>2hr |    | 30 | 31 | Working | Days | Days | Leave<br>Taken | Remarks  |
| -   |    |          | X  | X  | X  | X  | a  | X                                       | X         | X   | X       | X  | X  | X  | X         | X  |    | X  | 23      | 21   | 2    | aime           | 4 14     |
| H   |    |          | X  | X  | X  | X  | X  | X                                       | X         | X   | X       | X  | Ý  | X  | X         | X  |    | X  | 23      | 21   | 2    |                |          |
| 4   |    |          | ×  | 9  | X  | X  | X  | X                                       | X         | X   | X       | X  | 3  | X  | X         | X  |    | X  | 23      | 22   |      | 000            |          |
| H.  |    |          | X  | X  | X  | X  | a  | X                                       | X         | X   | X       | X  | λ  | X  | X         | X  |    | X  | 23      | 20   | 3    |                |          |
| Н., |    |          | X  | X  | X  | X  | X  | X                                       | ×         | χı  | X       | X  | Y  | X  | X         | X  |    | X  | 23      | 23   | 6    | 0.0            |          |
| -   |    |          | X  | X  | X  | X  | X  | X                                       | X         | χ   | X       | X  | D. | X  | X         | X  |    | X  | 23      | 23   | 0    | SUX            | A L      |
| 1   |    | 2        | X  | X  | X  | X  | X  | X                                       | X         | X   | X       | X  | X  | X  | X         | X  |    | X  | 23      |      |      |                | 4.7      |
| 7   |    |          | ¥  | X  | X  | X  | X  | X                                       | X         | X   | X       | a  |    | X  | ×         | X  | PV | X  | 23      | 21   | 2    | A. 11          | 319      |
| Н   |    |          |    | X  | X  | X  | X  | X                                       | X         | X.  | X       | X  | X. | X  | X         | X  |    | X  | 23      | 23   | 0    | <u> </u>       |          |
| -   |    |          | X  | X  | X  | X  | X  | X                                       | X         | X   | X       | X  | X  | X  | X         | X  |    | X  | 23      | 23   | 0    | iva            | 10-1     |
| 1   | -  |          | ×  | X  | X  | X  | a  | X                                       | X         | X   | X       | X  | ×  | X  | ×         | X  |    | X  | 23      | 22   | _    |                |          |
| -   |    |          | X  | X  | X  | X  | X  | X                                       | X         | X.  | X       | X  | X. | X  | X         | X  |    | X  | 23      |      | 1    | 2              |          |
| +   |    |          | K  | a  | X  | X  | X  | X                                       | X         | Х   | X       | X  | X  | X  | X         | X  |    | X  | 23      |      | _    | 2 9 (          | 1 4 61   |
| -   |    |          | X  | X  | X  | X  | X  | X                                       | X         | X I | X       | X  | ξ. | X  | ×         | X  |    | X  | 23      | 23   | 0    | 210            | <u> </u> |
| +   | -  |          | X  | X  | a  | X  | X  | X                                       | X         | X   | X       | X  | k  | X  | X         | X  |    | X  | 23      | 21   | 2    | 1.24           |          |
| -   | _  |          | V. | X  | X  | X  | X  | X                                       | X         | X   | X       | X  | X  | X  | X         | X  |    | X  | 23      | 23   | 0    | N A            |          |
| 1   |    |          | ×  | 9  | X  | -  |    |   |           | Χ., |         | X  | X  | X  | X         | X  |    | X  | 23      |      | 2    | 100            |          |
| -   |    |          | X  |    | X  |    | X  | X                                       | X         | X.  | X       |    | 2  | X  | X         | X  |    | X  | 23      |      | 0    | 120            |          |
| 1   |    |          |    | X  | X  | X  | X  | X                                       | X         |     | X       | X  |    | X  | X         | 4  |    | X  | 23      |      | 2    |                |          |
| 1-+ | +  | -        |    | X  | X  | X  | X  | X                                       | X         |     | X       | ×  |    | X  |           |    |    | a  | 23      | 22   | -    |                |          |
| 1   |    |          |    | X  | X  | X  | X  | X                                       | X         |     | 9       | X  |    | X  | X         | X  |    | X  | 23      |      |      |                |          |
| 1   |    |          |    | X  | X  | ×  | X  | X                                       | X         |     | X       | X  |    | X  | 1         | X  |    | a  | 23      | 22   | 1    |                |          |
| 1+  | +  |          |    | X  | ×  | X  | X  | X                                       | X         |     | X       | X  |    | X  |           |    |    | 9  |         | 22   | -1-  |                |          |
| 1+  | +  | +        |    | X  | X  | X  | X  | X                                       | X         |     | a       | X  |    | X  |           |    |    | X  | 23      |      | -+   |                |          |
| 1   |    | +        | -  |    | X  | X  | X  | 110000000000000000000000000000000000000 | X         |     | X       | X  |    | X  | X         | X  |    | X  | 23      |      | 0    |                |          |
| H   |    |          |    | X  | X  | X  | X  | X                                       | X         |     | X       | X  |    | X  | X         | X  |    | X  |         | 23   | 0    |                |          |
| 7+  |    | 1        |    | X  | X  |    | X  |   | X         |     | X       | X  |    | ×  | X         | X  |    | X  |         | 23   | 0    |                |          |
| 1   |    |          |    |    |    | X  | X  | X                                       | X         |     | X       | X  |    | X  | X         | X  |    | a  | 23      | 22   |      |                |          |
| 1   |    |          |    | X  | X  |    |    | X                                       | X         |     | 1       | X  |    | X  | X         | X  |    | X  | 23      | 23   | 0    |                |          |
| 1   | +  | -        | +  | X  | X  | X  | ,  |   | X         | -   | X       | X  |    | X  | X         | X  |    | 9  | 23      | 22   |      |                |          |
| 1   |    |          |    |    | X  | X  | X  | X                                       | X         |     | X       | X  |    |    | X         | X  |    | X  | 23      | 23   | 0    |                |          |
| 1   | +  | -        |    | X  |    |    | X  | X                                       | X         |     |         | X  |    | X  | X         | X  |    | X  | 23      | 23   | 0    |                |          |
| 1   |    | +        |    | X  | X  | X  |    | X                                       | X         |     | X       | X  |    | X  | X         | X  |    | X  | 23      | 23   | 0    |                |          |
|     |    | +        |    | 1  | 1  | ^  | X  |   | A RA      | ÝAN |         |    |    | ^  |           | X  |    | X  | 23      | 23   | 0    |                |          |