

G M JAYASRI
India Standard 12 – CBSE
DAV Senior Secondary School, Chennai.
<https://www.linkedin.com/in/jayasri-gm-b48a89249/>
jayasrigm2008@gmail.com

RESEARCH EXPERIENCE AS A CO-AUTHOR AND JOURNAL PUBLICATION

[SRI RAMACHANDRA MEDICAL COLLEGE & RESEARCH INSTITUTE, CHENNAI, INDIA.]
(DEPARTMENT OF BIOMEDICAL SCIENCES & TECHNOLOGY)

One of the Authors of the article titled “**Computational Characterisation of Panax ginseng as potential Aromatase inhibitors for Breast Cancer**” submitted at “BioMed Research International”. [Wiley Online Library](https://share.google/sJa7n97ZjP0JcVBh0) <https://share.google/sJa7n97ZjP0JcVBh0>

INTERNSHIP CERTIFICATES

[SRI RAMACHANDRA MEDICAL COLLEGE & RESEARCH INSTITUTE, CHENNAI, INDIA.]

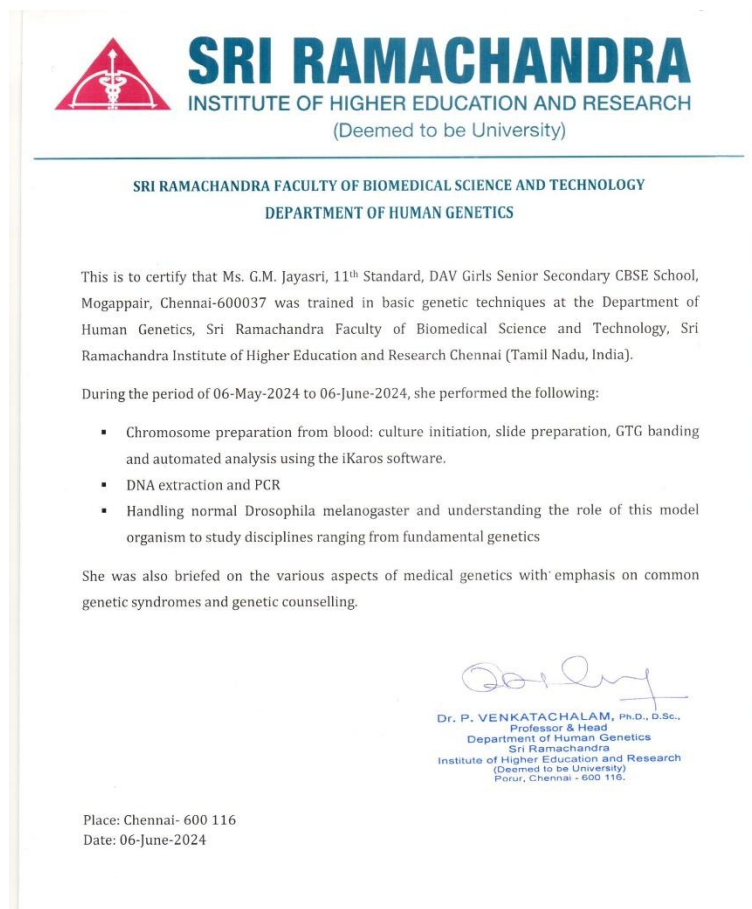
- DEPARTMENT OF HUMAN GENETICS
- DEPARTMENT OF PHARMACY
- DEPARTMENT OF CLINICAL NUTRITION



• DEPARTMENT OF BIOTECHNOLOGY



• DEPARTMENT OF HUMAN GENETICS



THE HINDU IN SCHOOL
FRIDAY, AUGUST 23, 2024

A summer to remember

Summer vacation is all about spending time doing fun things such as going to summer camp, going to your grandmother's place or visiting a touristy spot. But for G.M. Jayasri, a student of class 11, it was about learning new things at Sri Ramachandra Medical College, Chennai. She applied for the internship program via email and was accepted as an intern for a month.

She visited four departments — Biotechnology, Human Genetics, Pharmaceutical and Clinical Nutrition Departments.

The four-week adventure

For the first two weeks, she visited the Pharma and Nutrition department, where she learnt how the receptors of our body induce pain, how various types of food that are recommended for different diseases or conditions and how the pharmaceuticals help in relieving it.

From working on lab animals to understanding the chemistry behind the making and manufacturing of pharmaceuticals, Jayasri learnt it all. “I was so shocked to know that our daily usage products like soaps, shampoos and a few drinks like Coke, Sprite, etc., have adverse effects on our human body both externally and internally due to their pH levels”, she said.

In the third week, she visited the Biotechnology department where she was part of a journal regarding the phytocompounds which help to produce anti-cancer drugs against Breast Cancer. She simulated the phytocompounds and calculated the binding affinity of the compound with the target.

“Observing the breast cancer cells in different animals and observed how our stem cells are cultured, nourished and preserved in cryopreservation tanks was resplendent”, she said.

In the last week of her internship, she worked at the Genetics department where she cultured her



PHOTO: SPECIAL ARRANGEMENT

DNA and observed it on the microscope.

The takeaway from the internship

“Learning does not stop as we get older, because, there's still so much in this world waiting to be unveiled by young minds like ourselves. We should always be humble and down-to-earth. I learnt that even the smallest of things need to be appreciated. In Leonardo da Vinci's words, “Education never exhausts the mind”, this programme opened my eyes to the richness of the smaller world living within us”, said Jayasri.

“This kind of program opened the doors of diversified opportunities apart from medicine/ BDS/ Engineering. These programs should be a mandatory between high and higher secondary to find out the thought shower of the students and also for the best future of our country,” she added.

(The author, GM Jayasri, is a student at DAV Girls Hr Sec CBSE School, Mogappair.)

RICE UNIVERSITY

Introduction to Biology: Biodiversity



INDIAN INSTITUTE OF TECHNOLOGY, MADRAS (IIT-M)

DATA SCIENCE AND AI



SOCIAL WELFARE ACTIVITIES

- Conducted workshop at **GOVERNMENT CHILDREN'S HOME FOR GIRLS** on "silk thread start-up "business and distributed a start-up kit for all victim girls.

From

Tmt J Yasodha, BSc, M.A, M.A, Bed.,
Superintendent (i/c)
Government Children's Home for Girls,
Department of Children Welfare &
Special Services, Chennai-600010.
gchkellys@gmail.com

To

G.M. Jayasri,
Standard 11,
DAV Girls CBSE Senior
Secondary School,
Mogapper, Chennai-37.
jayasrigm2008@gmail.com

Rc. File No. A1/835/2024 dated 16.8.2024

Dear G.M Jayasri,

Sub: Initiative - Startup Workshop – workshop conducted to Girls for their livelihood – startup business model introduced to Girls by G.M.Jayasri – standard 11 – DAV Girls CBSE Senior Secondary School, Mogapper, Chennai – Tamilnadu – certificate of appreciation – sent – reg.

This is to certify that G.M Jayasri of 11th Standard of DAV Girls (CBSE) Sr. Sec School, Chennai has conducted a skill development workshop on "Silk Thread startup business" to our Juvenile girl children on 16.8.2024 in view of 78th Independence day celebrations and distributed startup kits to all children. This startup training model really envisages our children,

- ensures a firm and self-reliant steps for their livelihood
- Less expenditure for raw materials and huge profit on sale of end products
- Increases mental and physical strength of children.
- Concentration towards their goal.
- The Colorful combinations involved in this work Psychologically gives peace, clam, positivity and happy mindset to the children.
- Leads to Creativity and online business platform.
- Converts them to become woman-entrepreneur.

This workshop taken by GM Jayasri will definitely give a key grip to our children for their betterment of life and helps to come up and lead a normal life in the society. We whole heartedly wish G.M Jayasri and strongly believe that her vision and intention towards the liftment of children will definitely paves way to form a cultured and disciplined society.

With best wishes,

gch. yasodha
23/8/24
Superintendent
GOVERNMENT CHILDREN'S HOME
FOR GIRLS
Chennai - 10.

- Actively participated and trained art & crafts to special need kids in the “**SNACK summer camp 2024**”, a NGO program conducted at the Department of Clinical Nutrition, Sri Ramachandra Medical College & Research Institute.



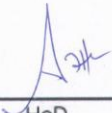
SRI RAMACHANDRA
INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Category - I Deemed to be University) Porur, Chennai
Accredited by NAAC with A++ Grade & Graded by UGC as Category I University

INTERNSHIP CERTIFICATE

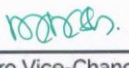
This is to certify that

G M Jayasri

D/o K Madhan Kuppuraj, actively participated in SNACK Summer Camp 2024, which is a NGO program conducted every year under the Department of Clinical Nutrition SRIHER, where she trained art and crafts to special need kids.



 HoD
Clinical Nutrition



 Pro Vice-Chancellor
SRIHER

Experience Report - 1

Date of Visit (OR) From 6.05.2024 to 10.05.2024 (5 days).....
 Dates of Volunteering work
 Name of the Organization: Department of Clinical Nutrition
 Address: SRAHS, SRIHER (DU), Porur, Chennai - 116.....
 Contact number: 9841327708. Email ID: hemamaliniaj@sri ramachandra.edu.in

Details of involvement (if applicable)

Brief description of activities / Key Learnings / Experiences

I participated in SNACK 2024 (Special Needs Activity Centre for Kids). I engaged the kids by teaching them Origami Arts and crafts. I also volunteered in making snacks (Flameless healthy cooking) and distributing it to the kids.

OPTIONAL FEEDBACK SECTION (To be filled by the official Supervisor/Mentor)

Please share your feedback on the students' involvement and work ethics in case of volunteering assignments

Ms. Jayasri, took active participation in SNACK 2024, of our department of Clinical Nutrition, in association with Special School of SRIHER. She volunteered to teach origami art to the kids of summer camp, which includes both normal and special children. Ms. Jayasri is enthusiastic, self-motivated and focused in whatever she does. Best wishes for her future endeavours.

MANDATORY VALIDATION SECTION (To be filled by the official Supervisor/Mentor)

Name of the Supervisor / Mentor: Dr. A. J. Hemamalini

Designation: Prof. and Head

Date & Place: Dr. A. J. Hemamalini, SRAHS, SRIHER (DU), Porur, Chennai - 116.

Dr. A. J. HEMAMALINI, M.Sc., M.Ed., Ph.D., RD.
 Reg. No: SRD014/2012
 Professor and Head,
 Department of Clinical Nutrition,
 SRAHS, SRIHER (DU),
 Porur, Chennai - 116.

INDUSTRIAL VISIT

- As an Individual, visited “Green Signal Bio Pharma Private Limited”, a BCG Vaccine manufacturing industry, where learned about the live attenuated vaccine, modes of administering vaccines, VVM in the vaccine vial, BCG manufacturing steps.



Date: 8th June 2024

CERTIFICATE OF INDUSTRIAL VISIT

This is to certify that, G.M Jayasri, has visited our manufacturing facility situated at No. 49, Pappankuppam Village, Gummidipoondi as a student of 11th standard, CBSE Board.

She observed the following:

- Live attenuated vaccines and BCG vaccine
- Modes of administering vaccines
- Pharmaceutical form of BCG
- VVM in the vaccine vial
- BCG manufacturing steps

She is found to be very passionate and interested in learning the manufacturing process of BCG Vaccine. She was enthusiastic and academically sound.

School Name: **DAV GIRLS SR SEC (CBSE) SCHOOL, MOGAPPER, CHENNAI, INDIA.**

Class: 11TH STANDARD CBSE BOARD

We wish her all success in her future endeavours.

Dr. P. Murali
MANAGING DIRECTOR

Office : Old No. 5, New No. 13/A3, Sai Nikethan,
Circular Road, United India Colony, Kodambakkam,
Chennai - 600 024, Tamil Nadu, India.
Tel : +91 44 2472 2244, Fax : +91 44 2472 2233
E-mail : gsbpl@gsbpl.com / Website : www.gsbpl.com



Factory :
No. 49, Pappankuppam Village,
Gummidipoondi, Chennai - 601 201, India.
Tel : +91 44 2792 2446
Fax : +91 44 2792 2436

REMAKKS OF TEACHERS / DIRECTOR OF D.A.V. SR SEC CBSE SCHOOL



Bonafide Certificate



To Whomsoever It May Concern

This is to certify that G.M. JAYASRI
of Class XI is a student of DAV Sr. Sec. School,
Mogapper (Academic Year 2024-2025)

This logbook has been issued to record the visits and volunteering experiences of the student, primarily with NGOs, CSR initiatives undertaken by corporates or other social service initiatives undertaken by individual/s.

This bonafide certificate is valid for the period _____

Uma Ponnath
PRINCIPAL
D.A.V. SR. SECONDARY SCHOOL
PLOT No. R-40-B, 120 FEET ROAD
MOGAPPAIR, CHENNAI-600 037



Date: 24/6/24



D.A.V. GROUP, CHENNAI

Managed by Tamil Nadu Arya Samaj Educational Society

SEVA MAITHRI PROGRAM

The Seva Maithri program encourages students of D.A.V. to engage in social service in order to foster empathy, compassion and a sense of responsibility towards the community. Social service offers invaluable opportunities for personal growth, skill development and making a positive impact on society. Students can gain practical experience, broaden their perspectives and develop teamwork and leadership qualities like better communication skills and the ability to collaborate effectively with diverse groups of people. Most importantly, engaging in social service empowers students to become active citizens who contribute meaningfully to the welfare of others and the betterment of society as a whole.

Name: G.M. JAYASRI

School: DAV Sr. Sec. School, Mogapper

Class & Section: XI UID No: _____

Name of the Parents: Mr. K. MADHAN KUPPURAJ

Mrs S. GOKILA

Mobile Number: 9444144287/9444842842

Name of the Teacher Co-ordinator: R. G. SARALA

Mobile Number: 950005353

REMARKS BY TEACHER CO-ORDINATOR

Signature (with date) should be affixed immediately below the feedback

Jayasri is a hardworking and sincere student. She is focused and actively participates in the activities assigned to her. Academically she is a brilliant student. Her services in the seva Maithri program is commendable.

R. G. Sarala
24/6/24

MESSAGE FROM DIRECTOR

No. of Activities: 1

Appreciation to Jayasri for voluntary activity. Best Wishes to ^{her to} continue her SEVA all through her life.

Shanthi
5/7/24

DIRECTOR - ACADEMICS
D.A.V. GROUP OF SCHOOLS
No. 212-213, LLOYDS ROAD
CHENNAI - 600 086.

REMARKS OF HODs OF MEDICAL COLLEGE & RESEARCH INSTITUTE

I appreciate Ms. Jayasri's tremendous interest in learning and her commitment and enthusiasm. Throughout her posting period she exhibited keen interest in observing, learning and executing. She is a young Prodigy, who wants to excel in whatever she undertakes. Her meticulous preparation of reports stands as a proof of her abilities. Excellence in all her endeavours.

G. M. JAYASRI

Dr. A. J. NEMAM, LRM, M.Sc., M.Ed., Ph.D., RD
Reg. No: SRD014/2012
Professor and Head,
Department of Clinical Nutrition,
SRFAHS,
SIHER (DU)

Jayasri as a scholar exhibited tremendous enthusiasm and a keen learner. She has excellent grasping capacity - a quick learner. She was able to quickly adapt to the educational environment in our college. I wish her all the very best.

A. Luthran.

-17-

Dr. A. JERAD SURESH, M. Pharm, Ph.D., MBA
PRINCIPAL
Sri Ramachandra Faculty of Pharmacy
SRI RAMACHANDRA
INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Deemed to be University)
Porur, Chennai - 600 116.

Jayasri demonstrated remarkable commitment and dedication. She had a strong inclination for learning new tools and techniques. I am confident that she will excel in her future endeavors, achieving her dreams and goals. I wish her all the best!

Prof. SUDHA WARRIER
HEAD - Department of Biotechnology
Faculty of Biomedical Sciences & Technology
SRI RAMACHANDRA
INSTITUTE OF HIGHER EDUCATION AND RESEARCH
Porur, Chennai - 600 116.

Ms. G.M. Jayasri was a very hardworking and enthused student. She expressed a lot of interest in the field of genetics and was very regular in her activities.

Dr. P. Venkatachalam

-13-

Dr. P. VENKATACHALAM, Ph.D., D.Sc.,
Professor & Head
Department of Human Genetics
Sri Ramachandra
Institute of Higher Education and Research
(Deemed to be University)
Porur, Chennai - 600 116.