



Indian Women Scientists' Association

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**IWSA Proceedings  
of  
Online  
SIESCOMS PG Students  
Internship Programme  
February 2021**



## FOREWORD

*Dr. Sunita Mahajan,  
Chairperson, Board of Trustees, IWSA*



**Indian Women Scientists' Association [IWSA]** was honoured to be entrusted by Dr. Durga Surekha, Faculty-in-Charge, CSR Program, SIES College Committee, to conduct a one week online NGO internship program for their post graduate management students with a view to give them an exposure and experience which is essential in order to develop social sensitivity and responsiveness amongst them. This was a new initiative taken by IWSA to hold internship programs in liaison with an Educational Institute.

After an interactive session of deliberations and discussions, IWSA took up the maiden challenge of accepting the offer with the following **Aims and Objectives**

- To **sensitise** and encourage **volunteering service** amongst the current generation of **students** towards the vision and mission of IWSA's mandate as an NGO.
- To **enhance** and **nurture IWSA's mandate** with respect to ensure impact passage/continuation of **legacies** initiated by **founder** members.
- To attract **CSR funding** based on the qualitative and quantitative outcomes generated through a Quality Assured Programme and the number of volunteering hours invested by the interns.
- To gainfully **explore** the possibility of the **new government policy initiatives** for educational institutes linking **effective learning** through Internship Programmes at **NGOs**.

A **Core Team** of IWSA, comprising of Dr. Rita Mukhopadhyaya [Vice President, IWSA], Vijaya Chakravarty [lead member to conceive and initiate IWSA Learning Garden Project] and Dr. Paramjit D. Anthappan, was formed to spearhead the event of IWSA – SIESCOMS Online Internship Project 2021.

The preparation of an empowered **team of IWSA Mentors**, was initiated on 29<sup>th</sup> January 2021. An **official letter of intention** from **SIESCOMS CSR** Head was received during first week of February 2021 along with student profile of **53 interns** for pursuing online internship at IWSA in accordance with our broad areas of interest. To facilitate **smooth conduct of the internship program**, a dedicated **common email id** was formed, besides team wise WhatsApp **communication groups** of IWSA mentors and core team coordinators. This also enabled transparency, decorum, effective documentation, discipline and fair internal judicious decisions. On 18<sup>th</sup> February 2021, an online induction programme to officially initiate the Internship was conducted on SIESCOMS MS teams at 11 am, wherein the lead **IWSA mentors** presented the concept, Guidelines and expected time schedule of each of the **10 internship projects**.

## IWSA Head Quarters Compilation [for private circulation only]

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Almost all teams had an introductory round of meetings by 21<sup>st</sup> February 2021 on IWSA online platforms followed by daily meets to monitor progression.

A midterm review of the draft presentations of the 10 team projects was conducted on MS Teams platform on 25<sup>th</sup> February 2021. Useful inputs and suggestions were shared by **IWSA invited reviewers Dr. Behnaz Patel, Dr. Kanika Khurana, Dr. Shweta Naik and Mr Abhishek Naik** for incorporation into projects.

Further, post-review value addition **invited talks** were arranged by **IWSA** on CSR Funding requirements, effective advertisement and video making and impact oral presentation tips by experts **Mrs Manjuvani Nayani, Mr Udeerna Karanam and Mrs Shobha Pakala** respectively to enable the interns successfully complete their projects.

Final project presentations of the intern teams were conducted on 4<sup>th</sup> March 2021 for evaluation by external experts including **Dr Sangeeta Makkad, Dr Maya Murudeshwar and Ms Deepti Shekar**.

Post internship period a **review meeting of IWSA Mentors** was conducted for sharing their experience and feedback.

The project reports of the 10 teams are submitted online for **internal review and approval** for finalisation **jointly by IWSA Mentors and CSR Head of SIESCO MS**.

It is indeed heartening to note the enthusiasm and commendable efforts put in by all IWSA members involved in the organisation of the intensive online weekly Internship programme and successfully complete the same offering an enriching learning experience to the young students. It was also noteworthy to appreciate the technical skills and potentials displayed by promising students to achieve the targeted outcomes of their team projects. We congratulate the teams procuring the gold, silver and bronze prizes for their internship projects following external assessment of their online presentations. Hearty congratulations to all participating teams for showcasing their unique potentials during their internship period as adjudged by internal assessment too.

All the 10 team projects undertaken during the aforesaid internship period are abstracted in this proceedings for ready reference and documentation, which I am sure, you will enjoy reading.

Looking forward to many more successful internships and wishing you all the best for future endeavours.

*“It is difficult to say what is impossible, for the dream of yesterday is the hope of today and the reality of tomorrow”.....Robert Goddard*

**Dr. Sunita Mahajan**  
**Chairperson, Board of Trustees IWSA**

**ACKNOWLEDGEMENTS**

The **Core Team** of the IWSA-SIESCOMS Students Internship Program gratefully acknowledges the integrated support, cooperation, guidance, inspiration, critical appreciation and unified march in togetherness of all members beginning with IWSA founder, Board of Trustees, Executive Committee, various committees, technical and administrative staff who have been with us, both at the forefront and in the background, for this activity at all stages upto its successful completion.



**Dr. Sudha Padhye**  
Founder Member, IWSA



**Board Of Trustees, IWSA**

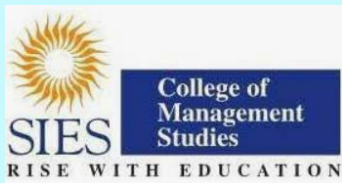
L to R Dr. Sunita Mahajan, Dr. Bhaktaver Mahajan, Dr. Sudha Rao, Dr. Devki Ramanathan, Dr. Surekha Zingde



IWSA Executive Committee[2019-2021]....L to R [Row 1] Dr. Lalitha Dhareshwar [President], Dr. Rita Mukhopadhyaya [Vice President], Vijaya Tilak[Secretary]

L to R [Row 2] Madhu Pahwa [Jt. Secretary], Dr. Suparna Kamath [Jt Secretary], Dr. Nootan Bhakal [Treasurer], Chhaya Kelkar, R. Bhuvaneshwari, Dr. Shyamala Bharadwaj, Dr. Srirupa Mukherjee, Sushma Pradhan, Dr. Surekha Zingde.

Our special gratitude to the CSR Head of SIESCOMS for the coordination efforts taken in all phases of the Internship period from initiation to completion and to the invaluable support extended by the Director, Dr. Bigyan Verma and the Dean Prof.Vidya Iyer of the Institute.



**Dr. Bigyan Verma**  
Director



**Prof. Vidya Iyer**  
Dean



**Dr. Durga Surekha,**  
CSR Activity-in-Charge

## IWSA Head Quarters Compilation [for private circulation only]

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May we extend our sincere appreciation to our special invitees for supporting us to enhance the quality of our Internship through their valuable investments of time, efforts and sharing of useful suggestions at our review, enrichment and assessment sessions.

### OUR DISTINGUISHED RESOURCE INVITEES FOR MID TERM REVIEW



L to R ... Dr. Behnaz Patel, Dr. Kanika Khurana,  
Dr. Shweta Naik

### OUR DISTINGUISHED GUEST SPEAKER INVITEES

L to R ... Mr Udeerna  
Karanam, Mrs Shobha  
Pakala, Dr. Rupam Gosain,  
Mrs Manjuvani Nayani



### OUR EVALUATORS AT FINAL PRESENTATIONS

L to R ... Dr. Sangeeta Makkad, Dr. Maya  
Murudeshwar, Ms Deepti Shekar

Finally, we would like to place on record the entire team of IWSA mentor participants who not only spared no efforts for the smooth conduct of the intensive Internship program, but also offered their unstinted cooperation and assistance by rising to the situational requirements with remedial solutions.

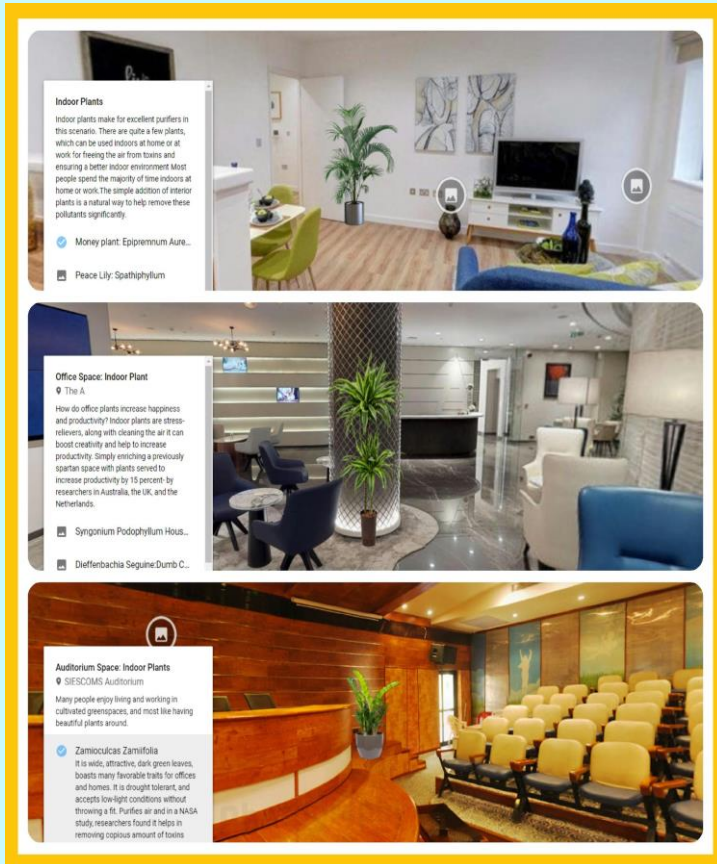
It has indeed been an exciting journey from conceptualisation, planning, execution, completion and compilation of the proceedings of the IWSA Student Internship Programme conducted online. We hope that you all will enjoy the documented glimpses of the activity with the same zeal and enthusiasm as its preparation by us.



### CORE TEAM OF IWSA- SIESCOMS PG STUDENTS INTERNSHIP PROGRAM 2021

L to R...Dr. Rita Mukhopadhyaya,  
Vijaya Chakravarty,  
Dr. Paramiit Anthappan

## PROJECT 1...VIRTUAL TOUR OF INDOOR PLANTS



### MENTORS



Dr. Suparna Kamath



Dr. Sweedle CereJo- Shivkar



Dr. Sushma Lehri



Mrs. Tripta Tiwari



### INTERNS



Dhananjay Keni



Sakshi Kothari



Harsh Ghag



Navina Dalvi



Anand Iyer



Siddharth Tated

## ABSTRACT

### **Introduction:**

A virtual tour is one of the best ways to make an online lecture interactive and engaging during pandemic. It helps an individual to learn at his/her own pace. It is helpful in allowing students to be more focused and attentive. It is innovative as well as attractive.

Google tour is user-friendly compared to other virtual tour platforms. It allows greater creativity and flexibility. We created a tour of indoor plants by using different indoor settings like the living room, office, auditorium, kitchen, and hotel. We kept 4-5 plants in each setting and also added audio-visual for a comprehensive learning experience for the viewers.

### **Aims/ Objectives and Scopes:**

1. To identify the usage of google virtual tour
2. To analyze the perception towards virtual tour
3. To provide an experience for the viewers
4. To offer students a way of feeling connected to a campus
5. Evaluation of Google virtual tour.

### **Project Profile:**

The virtual tour capitalizes on one of the greatest advantages of the online learning technologies: the lack of barriers to exploration. This Virtual tour grant the learner access to resources that are useful in the course and beyond, culminates in a learning activity that is effective in achieving project objectives. Thus it is an enjoyable experience for the learner.

### **Recommendation:**

- Multilingual Virtual Tours and using 360-Degree Camera
- Adding Brain teasers and riddles
- Length of Virtual Tour- In today's digital era everyone's attention span is low and hence having a precise length of the tour is always better.
- Use of Alternative tour creators- As Google tour will shut it services from 30<sup>th</sup> April

### **Learning Experience:**

1. Scheduling and collaborating
2. Empathy: Allowing the viewers to learn and understand at their own pace
3. Transparency: Decided to give credits for our 3D tour as to not violate copyright content.
4. Documentation: Maintained records in a systematic way right from day 1
5. Honesty: The interns were completely honest by sharing their points of view with the mentors and their colleagues.

### **Perception Before:**

To have an overall experience and learn something new along while being empathetic.

### **Perception After:**

It led to new learning that not only benefitted the interns in our project but also acquires new skills to become a manager. Interns came to know and learn about the google tour ecosystem.

**“The most selfless act anyone can do is to help one without having any expectations of returns”**

**PROJECT 2...VIRTUAL TOUR CREATION ON POLLINATOR STUDIO USING GOOGLE TOURS**

**INTERNS**



Pavan Mulugund



Aniket Vaishya



Chetra Puthran



Mangesh Kadam



Surbhi Pandey

**MENTORS**



Dr. Sweedle CereJo-Shivkar



Dr. Suparna Kamath



Dr. Sushma Lehri



Mrs. Tripta Tewari





## ABSTRACT

### **Introduction:**

The Indian Women Scientists' Association gave Team 2, the project of making a virtual tour on Google Tours on 'Pollinator Studio', wherein the team had the freedom to decide the flow and length of the tour with the only constraint being that the tour in whole should look complete and as a story from start to end. In this accord, our tour comprised of 5 scenes, which explained the definition of pollination, vectors of pollination and the significance of pollination in our lives and the threats it faces.

### **Scope of the project:**

The project gives the students a kick start in the field of pollination and covers the topics in a very simple and understandable language. Audio files are added for narration of scenes so as to make the tour more interactive. The main takeaways from the project include the knowledge and working of Google Tours itself.

### **Project Profile:**

Many students didn't even know that a tool such as Google Tours existed and this project very wonderfully exposed them to the same via the project. Working in a group also was a great experience for all its members because it taught some of the most important concepts and competencies and also gave a very good platform to practice and improve them. Some terms always heard of like team work and team cohesion were not only experienced but also learnt by the team and they were also put to the test, time and again during just the one week duration of the virtual internship. Another of the most important but often overlooked concept of record keeping was learnt and practiced regularly by the students in the form of making minutes of meetings (MOMs), and hence a very useful trait in the professional world was learnt during the internship.

### **Recommendations:**

During the internship, we developed our own ideas of improving the existing project and during the stipulated time implemented one or two of these. One of them was making a video of the tour. Many a times, while displaying the tour in exhibitions, it's better that the tour is shown in the form of a video so as to minimize control by users so as to not hamper the process, with this in mind, all the scenes were recorded and put together in one single video to be able to show the entire video with just one click so that no interference or problems occur while navigating forward. One more of our ideas is based on the fact that we learn and retain for the longest duration of time, in this sense, if the students, to understand how pollination happens, enact the process out, with one student being a flower with an anther in focus and another being a flower with the stamen in focus, and a student dressed as a pollinator as in a bee carrying pollen will etch the idea of the simple definition of pollination.

### **Key Learnings:**

Before the internship the students of the team were not much aware of how NGOs such as Indian Woman Scientists' Association worked and had varying ideas in mind with not much or almost no clarity as to how the projects took place. The project with IWSA for one has brought a lot of clarity to the scales and schemes of professionalism followed in the organizations and also the determination and driving force entailed in all of its members.

### **Perception before:**

Helping those in need of our expertise and also to be better as human beings.

### **Perception after:**

It really helped to inculcate the values of team work and also time management along with technical and social skills such as presentation skills and Adobe Photoshop skills.

**The greatest ever good will only come from 'we' and never from 'I'.**

PROJECT 3...ECCE ADVERTING AND MARKETING

**Diploma in EARLY CHILDHOOD CARE AND EDUCATION** affiliated to **SNTD UNIVERSITY**

Since 25 Years  
Minimum Qualification: HSC  
Duration: 1 Year  
AGE: NO BAR

**Theory Curriculum**

- Child Growth and Development
- Curriculum & Methods
- Child Health & Nutrition
- Child Welfare Services

**Practical Curriculum**

- Teaching Aids, Origami, Paper, Crumpling, Collage, Montage, Crayon Wet Painting, Puppets
- Lessons in Nursery Schools/ Creche/ Playschool
- Hands-on experience by assisting the teachers & observing teachers in preschool

**Language stories and poems**    **Educational visits to Kilbil, ETC Special School, SOS Village, Mukhtangan**    **Digital Literacy, Workshops, Projects, etc**

MENTORS

INTERNS



Ms. Vineeta Rajput



Ms. Shaheena Shaikh



Deepshikha Saini

Aishwarya Mhatre

Harshit Dholkheria

Prakhar Jawaria

Yogesh Naik

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**Certificate of Appreciation**

For effective understanding of concepts and alumni interaction has been awarded to Team 3 of SIESCOMS comprising of Deepshikha Saini, Harshit Dholkariya, Prakhar Jawariya, Yogesh Naik and Aishwarya Mhatre while implementation of their online Internship Project entitled " ECCE advertisement & Marketing " during the period from 22nd to 28th February, 2021, under the guidance of Ms. Vineeta Rajput and Ms. Shaheena Shaikh.

Lalitha Dhareshwar  
Lalitha Dhareshwar  
President, IWSA

Dr. Rita Mukhopadhyaya  
Vice President  
Chairperson,  
Internship Program

## ABSTRACT

### Project Objective and Scope:

- To promote interest in an organization i.e., Indian Women Scientist Association
- To create awareness about the course in a lucid language easily understandable by the readers.
- To reach the target audience through digital presence.

### Project Profile in four parts:

- E-brochure is a fully interactive 3D page-turning form of catalogues, manuals, photo albums, and they are small, portable, easily maintained, and emulate physical publications using a simple point and click navigation.
- E-flyer short version of our brochure that could be sent along with mails or could be sent through WhatsApp where one can have a full understanding of the course in one glance.
- Video for better understanding and more visibility and can also be attached to YouTube for people who prefer listening.
- Creative marketing ideas where we need to have innovative ideas of marketing the courses which capture the interest of the audience influences their emotional responses and inspires them to take action.

### Recommendation:

We were able to complete our project with the guidance of our mentors. It was a new and enriching experience for us. We were also able to learn a lot and gain new experience.

### Suggestions:

- Don't try to update the website frequently with not-so-related data. Upload data that is relevant even if it means taking small breaks from uploading.
- Making the social media handle visible.
- Create an audience on multiple social media.
- Generate more awareness through various modes of communication.
- Use of seminars and workshops to generate awareness about the course in the masses

### Learning Experience:

- **Time management:** to balance our work life and personal life better.
- **Understanding One's perspective:** opened our minds to new ideologies and improving our skills.
- **Personality development:** while working with a NGO we came across various challenges, that are faced by our society. working towards solving them plays a significant role in developing qualities like empathy, humility.
- **Participatory approach:** to facilitate a close teacher-pupil relationship, where they emphasize group activities in their schools.
- **Value of Education:** proper grooming of a child should be done from an early age so that it helps them to understand things in a better light.

### Perception Before:

NGO's are an organization that generates very fewer funds until and unless that NGO is developed into a Brand and since this is a small and not so well-known NGO outside Navi Mumbai it seemed as though they have most of their attention focused on finding right sponsors.

### Perception After:

After working with IWSA and in constant contact with our mentors as well as interacting with current students and Alumni for about a week the overall outlook changed from how they provide for themselves to how well they have organized the entire organization.

Not only do they have well-trained staff but also very well-experienced members. They not only focus on children but also on the environment and it empathized in child development.

**“Always be ready to forgive People who hurt or caused you any Harm, not because they deserve it but because YOU deserve Mental Peace”**

## PROJECT 4... ELECTRONIC ARRANGEMENT OF IWSA LIFE MEMBER'S DATA AND PROMOTING IWSA AS AN AUTHORISED LEARNING CENTRE FOR MS-CIT COURSE

**2. Unique Identification Number.**

- Structuring data in an organized way for easy access
- Assigning unique identification number to every IWSA member
- Allotting unique identification number on the basis of initials of first name and last name followed by registration number of IWSA member

For example: Name of member: Sarita Deshmukh  
Year of joining: 1997  
Reg no.: 401  
UIN: SD97401

**Data Management**

**Project 1**  
**DATA MANAGEMENT OF IWSA LIFE MEMBERSHIP (DIGITALIZATION AND STRUCTURING FOR INTENDED APPLICATIONS)**

**Project 2**  
**DIGITAL MARKETING OF IWSA MSCIT course**

**MS-CIT**

**MS-CIT**  
Maharashtra State Certificate in Information Technology

- Information Technology (IT) literacy course started by MKCL in the year 2001.
- Most popular IT literacy course in Maharashtra.
- Transformed the way of living in 21st Century.

MS-CIT Course comprises of :-

- MKCL e-Learning Revolution for All
- Hands-on practice sessions
- Learning facilitated by certified professionals
- Academic interaction, assessments, and collaboration
- Reading and understanding a highly illustrated book

Ref: <https://mscit.mkl.org>

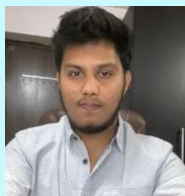
### INTERNS



Roma Harkude



Deepak Sahu



Yadnesh Patil



Divyesh Gehlot



Siddharth Nair



Girdhar Sodani

### MENTORS



Dr. Sunita Mahajan



Dr. Rita Mukhopadhyaya



Ms. Akhila Mahesh



Dr. Paramjit Anthappan



## ABSTRACT

### Introduction:

Our project is divided into 2 parts including management of IWSA life membership data profiles and data warehousing of mapped target learners to promote IWSA as an authorised learning centre for MS-CIT Course. Our mentors provided us with the Raw data for project one. They also suggested on the various characteristics and filters to be used in differentiation of data. We and mentors exchanged marketing ideas to help promote MS-CIT to targeted learners. During this project we faced challenges of lack of some data, as members started joining IWSA in the 80s and 90s, due to which information like mobile contact numbers and email ids were not prevalent during the membership enrolment in the filed copy registrations. We attempted to surpass this challenge by tagging our electronically arranged data of every enrolled life member with an Unique Identification Number [UIN] coding. We also provided an option for members to add or change their details in the URL. Working in a group also was a great experience for all members because it taught some of the most important concepts and competencies and also gave a very good platform to practice and improve them. Some terms always heard of, like team work and team cohesion were not only experienced but also learnt by all of us and they were also put to the test, time and again during the intensified one-week duration period of the virtual internship.

### Aims/ Objectives and Scopes:

- Differentiate IWSA life membership data based on need based characteristics and display it on an electronic platform for easy accessibility.
- Explore various marketing strategies to promote MS-CIT course as well as to promote IWSA as an authorized learning centre.
- Convert hard scanned copy data into an easily retrieval form.
- Research and brainstorm to develop an effective methodology for Data structuring & promotion of MS-CIT course.
- Provide an experience for the viewers.

### Recommendations:

- Updating of IWSA Website:
- Making Social Media Handle Visible
- Generate more awareness through various modes of communication
- Build up a good network of resources to facilitate outcomes in fast track modes

### Learning Experience:

- **Time management:** To balance between our work life and personal life better.
- **Team work:** We learnt how Team work is important for timely and effective completion of the work.
- **Personality development:** While working on this project we came across various challenges so it taught us to have a positive attitude towards the challenges
- **Creative Thinking:** This internship gave us chance to think creatively.
- **Use of new tools:** During this internship we had the opportunity to use various tools which are available online.

### Perception Before:

NGO's are an organization that generate very less funds until and unless that NGO is developed into a Brand and since this is a small and not so well-known NGO outside Navi Mumbai it seemed as though they have most of their attention focused on finding right sponsors.

### Perception After:

After working with IWSA and in constant contact with our mentors as well as interaction with current students and Alumni for about a week the overall lookout changed from how they provide for themselves to how well they have organized the entire organization.

Not only they have well trained staff but also very well experienced members. They not only focus on children but also on environment and holistic human development.

**"In Scientific Language Life is an unbalanced chemical Equation with two major elements i.e., Birth and Death in between these two points there is one catalyst that plays an important role i.e., CHOICE that we make."**

PROJECT 5... ONLINE SCIENCE AND MATHS TEACHING (AT SCHOOL LEVEL) UNDER  
SCIENCE NURTURE PROGRAM OF IWSA

**BEST PROJECT...SILVER AWARD**

**INTERNS**



Disha Sharma



Sumit Amrutkar



Deepak Agrawal



Supriya Pandey

K.Gurumoorthy

**MENTORS**

Dr. Devaki  
Ramanathan



Dr. Lalitha  
Dhareshwar



Dr. Srirupa  
Mukherjee



Dr. Suparna  
Kamath



Mrs. Tripta  
Tewari



Mrs. Madhu  
Pahwa



Mrs. Manashi  
Chakravarthy



Dr. Smita  
Kekatpure



## ABSTRACT

### **Background :**

Indian Women Scientists Association (IWSA) is an all India social welfare, voluntary, non-profit, secular, Non-political charitable trust established on 13<sup>th</sup> June 1973 under the Society Registration Act and Public Trust Act on 19<sup>th</sup> July 1973. It has eleven branches in India. IWSA has about 2000 life members; its head quarter is located in Vashi, Navi Mumbai, Maharashtra. IWSA Membership is open to all women with a background in S&T and Associate Membership is open for those Interested in science and with a scientific temper.

### **Project Objective and Scope :**

The objective and scope of the project is to design and develop strategies and effective learning in online teaching virtual class and ensure that students make optimum use of presentations as a reference for study material.

### **Project Profile :**

We did a project on Online Science and Mathematics Teaching (at a school level) Under Science Nurture Program of IWSA. We taught Science and Mathematics topics to 8<sup>th</sup> class student from syllabus. Our task was to design and develop strategies and effective ways of learning in virtual classes and make the session interactive with various activities related topic to avoid one side communication. Our main goal was each student understand each and every topic.

### **Learning Experience :**

We had wonderful experience while working with IWSA as well as in teaching for children. The internship with IWSA can be described through some lasting memories that we managed to collect and our overall experience gave us another angle to look and contribute towards our society.

### **Recommendations :**

It felt great to working with IWSA and the children over there were interactive and actively participated in all the activities we made them to do but some of things we recommended after working that videos of related topics and activities to perform give them better understanding of concept during an online lectures.

### **Perception before :**

Our Task was to teach students and we as students always had this perception that Teachers just come to a Lecture and Teach so we thought it will be easy teaching the Students, also with Virtual Lectures we were though we would just show them Concept video explain a little and we are done. In addition to this as NGO Internship was a part of our curriculum we did realize the importance of it and how it would help.

### **Perception after :**

During the Internship the first thing we understood is that for every 1 hour of Lecture teachers spend at least 2 hours preparing for the same. Teaching is not just about explaining a Concept, it is about making sure the concept is understood by the Students and the entire learning experience is good. The biggest challenge for a Corporates these days is High Attrition rate because of lack of Job Satisfaction on the other hand this Internship was very satisfying and refreshing.

**“Helping Society is one of the most noble acts one can commit to”**

PROJECT 6... DAY CARE LESSON PLANS

BEST PROJECT...GOLD AWARD



INTERNS



Pooja Iyer



Anup Deshmukh



Rahul Rajput



Chaitali Dalvi

MENTORS

Vijaya Chakravarty



Snehlata Bhavsar



Manisha Sarkar



Manisha Chand

Sudha Mehta





## ABSTRACT

Teaching at a day care or a preschool makes you, the teacher, a critical person in a child's life. These formative years impress in the students' young minds whether they can succeed in the academic environment. To ensure academic success, proper planning is needed. Teaching interpersonal skills, basic letter and number skills, and applying these skills throughout the school year is the recipe for success. Teaching children in a fun and entertaining way is preferred, as they will enjoy learning and grasp things very quickly. Planning lessons in a proper manner is important so that there is an overall development of the child. Inclusion of brain teasers will not only help in developing their intellectual abilities but also help in encouraging social cooperation and bonding, improve creativity and develop concentration. The aim of the project was to design lesson plans as a form of supplementary learning for the IWSA Day Care centre for the children of two different age groups viz. children below 6 years and children between the age of 6 years - 13 years of age. The main focus was on **Experimental learning** and **Learning by enquiry and reasoning**.

### **Aim :**

To make lesson plans for children as a form of supplementary education and to teach children in a fun-filled and interactive way.

### **Objective :**

To refer learning theories of education and to plan lessons accordingly in simple language using animated videos and posters.

### **Scope :**

Implementation of the Lesson plans as a supplementary form of education for the children of two different age groups viz. children below age of 6 years and children between age of 6-13 years of age group. Analysis on challenges of planning lessons and finding solutions for the same.

### **Learning Experiences :**

This project helped in enhancement of research skills along with time management and networking. It also gave the confidence to address and manage a class full of young minds. Improved communication and presentation skills.

### **Recommendations :**

Suggestions on keeping the language simple and easy for better understanding of the topics. Making lesson plans for two different age groups separately. Also Experimental learning and Learning by enquiry and reasoning.

### **Perception Before :**

The topic was a bit difficult on how to plan lessons for the younger children below the age of 6 years and that too in the online mode.

### **Perception After :**

The lesson plans can be made interesting by Experimental learning (Grow, cook and eat i.e. making them practically do the learning by giving some simple recipes to prepare) and Learning by enquiry and reasoning (Children were given games to play like Scrabble, Animal Jam, which may help develop their vocabulary and intellectual skills).

**“Teaching by involving and reasoning will not only help grasping but also make the memory power strong”**

PROJECT 7... GARDEN BASED LEARNING : AN EDUCATIONAL MODEL

BEST PROJECT...GOLD AWARD

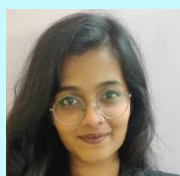
INTERNS



Akshaya  
Karwa



Dipak  
Vadhwana



Sneha  
Kamalanandan



Vinaya  
Hagawane

MENTORS



Dr. Srirupa  
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## ABSTRACT

### **Introduction**

In this digital age, humans of all ages are being all consumed by devices from smartphones to PlayStations. It is essential for children to learn from hands - on - experience rather than spend their entire childhood in front of a white screen. Children between the tender ages of 1-9 are like sponges, they absorb anything and everything they see. Therefore it is important to give them the right experiences which will not only satisfy their curiosity but also educate them on the fundamentals. Instead of the traditional form of schooling which is currently practised by the majority of the population, **Garden Based Learning (GBL)** could be an efficient and beneficial alternative. This project provides a detailed understanding of GBL as a concept and why it can be implemented as an educational model.

### **Aim**

To understand the concept of Garden Based Learning and other concepts concerning the same and why this form of learning can be implemented as an educational model.

### **Objective**

To conduct extensive research through different literature reviews regarding Garden Based Learning and the curriculum under the same.

### **Scope**

Implementation of Garden Based Learning as an educational model for children from the ages of 1-9 years. The research shows the curriculum that can be taught to students using this form of learning. Analysis on the challenges of GBL and finding solutions for the same.

### **Learning Experiences**

This project enabled enhancement of research skills along with time management. Gained nuanced understanding of GBL and its benefits. Improved communication and presentation skills.

### **Recommendations**

Suggestions received on creating an appropriate and efficient strategy to market GBL as an educational model.

### **Perception before**

The topic was unique and unfamiliar, therefore required extensive research to procure deeper understanding of the subject. Prepared to utilize this opportunity to augment our knowledge and experience.

### **Perception after**

Acquired knowledge about GBL therefore enabling to easily relate and apply different learnings in real-life situations. Preferring to be involved in hands-on-learning for better understanding of various subjects.

*“Nature is the foundation of all life on earth, it is only apt that Mother Nature be our educator.”*

PROJECT 8... CERTIFICATE COURSES IN GARDENING SKILLS FOR WOMEN

BEST PROJECT...BRONZE AWARD



INTERNS



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Sahil Sankhe



Mohit Vyas

MENTORS



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Ms. Ambika Jankiraman



## ABSTRACT

### **Introduction:**

Gardening is the practice of growing and cultivating plants as part of horticulture. In gardens, ornamental plants are often grown for their flowers, foliage, or overall appearance; useful plants, such as root vegetables, leaf vegetables, fruits, and herbs, are grown for consumption, for use as dyes, or for medicinal or cosmetic use.

Gardening ranges in scale from fruit orchards, to long boulevard plantings with one or more different types of shrubs, trees, and herbaceous plants, to residential back gardens including lawns and foundation plantings, and to container gardens grown inside or outside. Gardening may be very specialized, with only one type of plant grown, or involve a variety of plants in mixed plantings. It involves an active participation in the growing of plants, and tends to be labour-intensive, which differentiates it from farming or forestry.

### **Aims/ Objectives and Scopes:**

1. To Provide women with a skill set of employment
2. To bring women back to the job market
3. To Provide Alternate career
4. To teach women about entrepreneurial skills

### **Project Profile:**

In this project we have an aim to create a proposal for women how can learn gardening whether they want to start their own business or want to learn just for the sake of their hobbies. We aimed to provide women a basic knowledge about gardening and how they can incorporate that knowledge in their day to day lives. We created courses and provided ways to promote those courses on a larger scale.

### **Recommendations:**

- Conduct online classes to teach people how to garden online
- Adding new marketing strategies
- Conduct classes for people how do not have internet connection

### **Learning Experience:**

- Learned about how to work in a team.
- Presentation skills
- Content refining
- Learned about how to create videos, brochure and posters
- Maintaining records since day-1
- Learned about real world problems

### **Perception Before:**

To gain knowledge about several skills and improve those skills while working with the team and interacting with the mentors.

### **Perception After:**

The project gave the interns a whole new perception during the internship period; it not only enhanced our skills but also taught us about the outside world.

**"Seed and Shovel: A step towards a Greener Tomorrow"**

PROJECT 9... LEARNING GARDEN ADVERTISEMENT AND MARKETING



INTERNS



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Rajas Patil



Nisha Tiwari



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MENTORS



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Kekatpure



Mrs. Madhu Pahwa



Dr. Paramjit Anthappan



## ABSTRACT

### Introduction

Advertising is a form of communication used to promote products and services to create a brand identity, introduce new products and services, and highlight a change in the existing product line. It also helps in imparting social messages to the masses effectively. The biodiverse sections of IWSA's Learning Garden are dynamic outdoor classrooms representing ecosystem profiles for learning flora and fauna, besides impacting practical messages for cultivation skills for healthy organic produce for nutrition and its preservation. They help not only learners from kindergarden to doctoral programs, but also all visitors to stimulate their education, thrive with real, nutritious foods and healthy habits, and become active participants in strengthening their communities.

Our project is an attempt to design and create advertisements and e-brochure of IWSA's learning garden with content to capture attention of its intended purpose and encourages visitors to avail the opportunities prevalent for beneficial exploration impacting knowledge, skills and healthy lifestyles with scientific temper.

### Aim

To advertise and market the IWSA learning garden.

### Objective

To study and understand the marketing perspective and design, develop advertising videos and e-brochure.

### Project Profile

The advertisements and e-brochure focuses on making learning gardens grow between people with their outreach perspective. The method used in this project is content writing for the advertisements effective communication to targeted audiences.

### Recommendation

- Update user interface on website.
- Evaluate Ad videos.
- Update E-brochure periodically.
- Features of voice search should be added on the website.

### Learning Experience

- Video Making
- Creative skills
- Documentation
- Scheduling and Collaborating

### Perception Before

To get new experience and learn something different along with being empathetic.

### Perception After

It led to learning new skills of video making and creativity for e-brochure. Acquired new skills to manage things.

**“The happiness from your work that you get is maximized when you see the ones receiving it yourself. And no result is as instantaneous as social work results.”**

**PROJECT 10... LEARNING GARDEN WEBPAGE DESIGN**

**INTERNS**



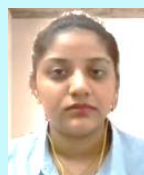
Ashwin Rajesh



Ajay Kumar



Jay Mate



Ketaki Bhoir



Sonal Sharma

**MENTORS**

Ms. Priya Jacob

Ms. Sukhvinder Sandhu





## ABSTRACT

### Introduction

The project given to us was to develop and create webpages for IWSA's Green Initiative Learning Garden. Our topic leaned more towards a practical standpoint rather than a theoretical one. As early as 1984, IWSA has been on the forefront of taking many green initiatives on the campus. **On 5th June, 2018** which was World Environment Day, IWSA inaugurated Learning Garden. Rapid urbanisation has alienated children and adults from nature. Lack of places for children to observe, study and experiment with flora and fauna led to creation of a **Learning Garden**. LG serve as an outdoor, hands-on science laboratory for students. The garden emphasises on various aspects. Learning takes place best in a sensory environment. IWSA has developed this garden keeping in mind of the visitors to fully experience the use of five senses – taste, sound, touch, smell and sight. It applies to all age groups, right from toddlers, challenged, children, college students as well as elders. Learning Garden spreads knowledge to the masses about the wide range of floral species present around us. The main problem with this data was that it was vast. The data did not have a systematic and simplified source where one could find all the information regarding plant species. We designed the web pages for the same. Our main goal was to create a singular source for all of the spread-out information and arrange them in a specific format so that any person of any age can easily read and understand about Learning Garden activities, and the floral species.

### Aims/Objectives

Before starting with the project, we first had to list down the Aims/Objectives/Goals that we wanted to achieve after completion of the project. Below are the main Aims/objectives we had in mind before starting the project.

- To expand knowledge on Learning Garden
- To create a well-researched content on LG.
- To develop curiosity among youth about LG.
- To make the content simple and clear for people visiting the website.
- To make an interesting visual representation of different kinds of plants and their characteristics.
- Developing Team management skills

Gaining knowledge about IWSA and its green initiative, Learning Garden was important. This gave us an idea about the NGO and its organizing structure and functioning. Then we matched our goals with their ideas in order to proceed. We also made sure our content was not monotonous and basic. It needs to retain viewers who are browsing through our webpages. So we made sure our content was interesting. Creating simple yet attractive designs and visual representations of all plants and floral species with their characteristics was important especially for children and teenagers as it will retain their attention. Through this project we also focused on Team Management Skills.

### Project Profile

We have conducted thorough research about the different floral species along with their characteristics like Common name, Botanical Name, Description of the Plant, Image for reference, Country of origin, and Medicinal use. We have collected information on different sections of the Learning Garden and plants coming under the same family. We have provided around 5-6 examples of plants under each thematic section using the above format of Common name, Botanical Name, Description of the Plant, Image for reference, Country of origin and Medicinal use. In total there are about 30 sections having 5-6 examples each. We first researched the necessary information and content according to our format. We designed a table format and made sure it comes off as simple and easy to read. Researching for the content and organizing it was an extensive task. We had to create respective webpages under each section which IWSA later on would attach to their mother website.

### Recommendations

Recommendations to IWSA in relation to their green initiative Learning Garden would be as follows:

- Complete restructuring of website  
As of now the content on IWSA's website is accurate and well-structured but we noticed that there is an overflow of content for the reader. Even though the content is accurate and up to date there is an absence

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of a retention element in them. Maybe adding more visuals and organizing the content in an interesting way could make it more appealing and people browsing would feel inspired to read more about the topic.

- Digital Marketing  
In order to promote and bring more traffic to the website and various web pages digital marketing techniques can be used. Digital marketing techniques like social media marketing, Content Creation etc can be used. As IWSA has lot of plant varieties and data, this can be used to improve the Search Engine Result Pages (SERPs) through keywords management by using Search Engine Optimization.
- Creating exciting events for common people  
Citizens are very much aware about the importance of creating a green surrounding but many lack the resources. Here, IWSA could plan a fun weekend for the general public where knowledge and practical exposure can be given on how to plant and maintain different floral species.

### Learning Experience

We learnt the importance of educating the community on sustainability, plant diversity, food security, habitat degradation, and also how to grow and manage different floral species. The Learning Garden opened our eyes towards the importance of conservation and propagation of plants. Being from commerce background we gained experience on creation of webpages and how to link systems. We learnt techniques through which we can educate society about the nutritive and medicinal value of wild plants. We understood how to initiate an eco-friendly environment. Last but not the least the most important thing we learnt was to make learning itself more easy, fun and interesting for all ages from a child to an adult.

### Perception before the internship

To have an overall experience of time management and team skills, and learn new insights about webpage development, and green initiatives of IWSA.

### Perception after the internship

Friendly team of mentors and team members inspired to create a better tomorrow by spreading the knowledge we have gained through this project.

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**“Green initiative provides what future generations might never see”**

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## ORGANISING TEAM OF IWSA-SIESCOMS INTERNSHIP PROGRAM Feb-March, 2021



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## **REPORT ON IWSA-SIESCOMS ONLINE INTERNSHIP PROGRAMME, 22<sup>nd</sup> – 28<sup>th</sup> FEBRUARY, 2021**

The **salient features** of the aforesaid programme include

1. Conceptualised with the following **Aims and Objectives**
  - a) To **sensitise** and encourage **volunteering service** amongst the current generation of **students** towards the vision and mission of IWSA's mandate as an NGO.
  - b) To **enhance** and **nurture IWSA's health** with respect to ensure impact passage/continuation of **legacies** initiated by **founder** members.
  - c) To attract **CSR funding** based on the qualitative and quantitative outcomes generated through a Quality Assured Programme and the number of volunteering hours invested by the interns.
  - d) To gainfully **explore** the possibility of the **initiatives** of the **new education policy** for learning institutes link up with **effective NGOs** for Internship Programmes.
2. **SIESCOMS** was selected due to an existent **ISR** [Institutional Social Responsibility] Programme prevalent at the institute, besides its geographical close location to IWSA and previous volunteering experience at IWSA for ECCE activity. Letter of intention for Internship Programme sent after IWSA EC approval, followed by formation of a core team to pursue the same.
3. **IWSA Mentor** empowerment **team** preparation initiated on 29<sup>th</sup> January 2021.
4. **Official response** from **SIESCOMS ISR** Head received during first week of Feb 2021 along with student profile of **51 interns** for pursuing online internship at IWSA in accordance with our broad areas of interest.
5. To facilitate **smooth conduct of the internship**, a dedicated **common email id** was formed besides team wise whatsapp **communication groups** of IWSA mentors and core team coordinators. This also enabled transparency, decorum, effective documentation, discipline and fair internal judicious decisions.
6. An online induction programme to officially initiate the Internship was conducted on 18<sup>th</sup> Feb 2021 on SIESCOMS MS teams at 11 am, wherein the lead **IWSA mentors** presented the concept, Guidelines and expected time schedule of each of the **10 internship projects**.
7. Almost all teams had an introductory round of meetings on 21<sup>st</sup> Feb 2021 on IWSA online platforms followed by daily meets to monitor progression.
8. A midterm review of the draft presentations of the 10 team projects was conducted on MS Teams platform on 25<sup>th</sup> Feb 2021. Useful inputs and suggestions were shared by **IWSA invited reviewers Dr. Behnaz Patel, Dr Kanika Khurana, Shweta Naik and Mr Abhishek Naik** for incorporation into projects.
9. Further post review value additions **invited talks** were arranged by **IWSA** on CSR Funding requirements, effective advertisement and video making and impact oral presentation tips by experts **Manjuvani Nayani, Udeerna Karanam and Mrs Shobha Pakala** respectively to enable the interns successfully complete their projects.
10. Final project presentations of the intern teams was conducted on 4<sup>th</sup> March 2021 for evaluation by external experts including **Dr Sangeeta Makkad, Dr Maya Murudeshwar and Ms Deepti Shekar**.
11. Post internship period a **review meeting of IWSA Mentors** was conducted for sharing their experience and feedback.
12. The project reports of the 10 teams are submitted online for **internal review and approval** for finalisation **jointly by IWSA Mentors and ISR Head of SIESCOMS**.

*Core Team, IWSA – SIESCOMS Internship Project 2021*