

EWYL SCHEME

RATIONALE OF THE SCHEME

The national policy on Higher Education of 1986 tried to translate the vision of Radhakrishnan and Kothari Commission by setting up a five pillar approach, the pillars being, Greater Access, Equity, Quality and Excellence, Relevance and Promotion of Social values. The proposed scheme addresses almost all the set goals in a proper perspective and spirit. Though quantitative growth was ensured by State by starting new Colleges as well as by offering new courses, the quality and excellence aspect has not attained desired levels. So, there is an urgent need for improvement in quality of education on the backdrop of intense global competition. The class rooms need to be more innovative and social oriented and societal requirements should drive the qualitative initiatives of the higher learning institution of our State. The ability to translate the knowledge acquired from the class rooms in the skills required by the society shall ensure achievement of the criteria “Relevance” as envisaged in the above referred Higher Education policy document. University Grants Commission’s ‘Earn While You Learn’ (EWYL) programme was announced in 2004 as part of the comprehensive scheme for Universities with Potential for Excellence. The scheme has been extended by other Ministries of Government of India including Ministry of Tourism, wherein part-time employment to an enrolled student in a College or University is offered, enabling him/her earn to meet educational expense.

All India Council for Technical Education (AICTE) and All India Technical and Management Council (AITMC) has introduced the Earn While You Learn Scheme in the year 2017. As per the said Scheme AITMC collaborated with industries and business owners to educate and develop the skill set over 1.50 million students across industries and provide them with assured livelihood. The Scheme

supports Government of India's vision of developing a strong and sustainable economy by enhancing employability skills among the youth.

EWYL is a student mentoring programme designed to offer student of all ages a place to gain experience while building the portfolio. EWYL programme teaches students how to gather critical information and use it to create, distribute and market the required utilities, services and products that are in demand from society. Such an exercise will enable the students to harness communication skills, people skills, societal skills, leadership responsibilities and above all linking them to real work experience.

OBJECTIVES OF EWYL

The scheme is a significant means to help the students to work and support their education on the one side and acquire skills guaranteeing employability on the other. following are set as the broad objective of the proposed EQL Scheme:

- To evolve cross-functional, cross-discipline teams to create an environment under which skills can be imbibed to enable an earing to mitigate the learning expenses and make the students self-reliant.
- To create an opportunity to meet the educational expenses by one's own income.
- To expose the students to the world of work before getting placed with actual employment.
- To give students hands on experience and confidence, thereby prepare them better for taking up jobs in the future.
- To add value to the resume of the students.
- To enable the students to explore their subject preferences and develop them into a career.
- To instil work etiquettes, work ethics, work culture and build respect towards all kinds of work at the student level itself.

- To help utilize the immense potential of students as a valuable human resource.
- To create a feeling of belongingness and encourage involvement of the students in management and development of the college in which he/she is pursuing a course.
- To help inculcate among the students values of hard work and dignity of labour.
- To channelize the unexhaustive energy of the exuberant young students to positive activities.
- To imbibe the importance and value of money as a resource to enable a decent living and the way it can be saved for meeting future needs.
- To help build a revenue pool with the academic institutions to which one belongs as a student to nurture similar value among the student generations to come for higher learning in the institution and to have a feel at home temperament among the alumni.
- To serve the neediest of the needy in his/her hour of need economically with possible resources that can be mobilize.

EWYL SCHEME IN GASCK

As part of EWYL Scheme of Higher Education Department, Govt. of Kerala; the Govt. Arts and Science College, Kozhinjampara have started 14 units in February 2022 and performed its activities during the month of February and March 2022. The college also conducted an Exhibition on 23rd March 2022 for marketing the products produced under the Scheme by various units within the college. The activities performed by various units along with photos are presented here in the form of a Report.

UNIT No. 1

ART AND CRAFT

Co-ordinator : **Smt. Umamakheswari K,**
Asst. Professor, Dept. of Tamil

As a part of EWYL scheme sponsored by the Government of Kerala, Department of Tamil in Govt Arts and Science College has selected Tamil DTP and Arts and Craft as working activity. Tamil department has provided an opportunity for the students to acquire work experience in the above mentioned activities. For this purpose department has appointed an experienced external instructor to train the students.

Ms Ajitha provided the art and craft classes for the students. The classes were held on 19-02-2022 and 05-03-2022. Twelve students selected from first and second year were actively participated in the classes. Students got trained for making ornaments, flowers, glass paints and embroideries etc. The students practiced these activities in every evening after regular classes from 3.30pm to 4.30pm.

Activities included in the Session are;

- Glass painting.
- Necklace making.
- Double layered necklace making.
- Bangle making.
- Paper craft including flowers making.
- Earring making with paper, fabric, thread etc.
- Embroidery.

UNIT No. 2

TAMIL DTP

Co-ordinator : **Smt. Umamakheswari K.,**

Asst. Professor, Dept. of Tamil

Dr. Senthil N provided the Tamil DTP classes for the students. The classes were held from 19-02-2022 to 05-03-2022. Ten students selected from first and second year were actively participated in the classes. As part of the training Tamil Bamini font installed and practised various typing exercises

UNIT No.– 3

REPORT ON AZOLLA CULTIVATION

Co-ordinator : **Dr.Saranya Devi K.,**

Asst. Professor, Dept. of Microbiology

Azolla, also known as mosquito fern, duckweed fern, fairy moss and water fern, is a genus of freshwater ferns that grows floating on water surfaces in temperate and subtropical regions throughout the world. Azolla is the only known plant where a nitrogen fixing cyanobacterium lives in cavities inside the plants photosynthesizing leaves. Under ideal conditions it grows exponentially, doubling its biomass every two days. The cyanobacterium fixes nitrogen, an essential plant nutrient, from the air and makes it available to the fern. In turn the fern provides the cyanobacterium with carbon fixed through photosynthesis and a favourable environment to grow. Besides the nitrogen fixing cyanobacterium a number of other bacteria are found in the leaf cavities of Azolla. This has led

scientists to suggest that Azolla should be considered a “superorganism”; an organism made up of many organisms.

The most common uses of Azolla are as organic fertilizer and as an animal fodder rich in nutrients and protein. Azolla can be used as fertilizer and soil improver for many plants. Azolla is a best alternative for chemical fertilizer, it substantially increases the amount of nitrogen fertilizer available to growing rice and it has been used for thousands of years as a ‘green’ nitrogen fertilizer to increase rice production. Another use of Azolla is wastewater treatment, as a water quality indicator, for controlling algal blooms and mosquitoes and for production of biofuels such as biogas and bioethanol. Azolla can take nitrates and phosphates out of fresh water bodies and reduce algal growth in areas where there have been algal blooms. Azolla is much more explored as an animal fodder. In India, it is common to cultivate Azolla as a supplemental fodder for cows and poultry, other animals that have been shown to eat Azolla are earth worms, snails, shrimp, fish, geese, rabbits, goats, sheep, pigs and horses. Trials on dairy animals have shown that animals whose diets have been supplemented with Azolla have an increase in milk yield that is higher than that expected based on the nutritional content of Azolla alone. Feeding Azolla to poultry has also been shown to improve the weight of broiler chickens and increases the egg production of layers.

PARTICIPATION SUMMARY

- The EWYL scheme sponsored Azolla cultivation was carried out by Dept of Microbiology, gave awareness on the usage of Azolla as biofertilizer (nitrogen fixer) and animal feed.
- Ten selected UG students actively participated in Azolla cultivation and they got training on bed making, nutrients addition, azolla inoculation, harvesting, maintenances and packing.
- It also aims in generation of revenue for the institute.

Production Process and Finished Product

- An artificial pond is created with a size of 6x4 ft.
- A silpauline sheet of required dimensions is spread over the land and secured properly.
- Sieved fertile soil at 10-15 kg is spreaded over the sheet.
- 1 kg of cow dung is spreaded over the soil.
- Superphosphate at 10-20 kg is added along with cow dung.
- The pond should be filled with water to height of 10cm.
- 1kg Azolla mother culture added to pond and 20 g of micronutrient are added.
- 1.5 kg of Azolla can be harvested each day after 10-12 days of inoculation.

TRAINING PROGRAMME (24/2/2022)

Training programme on Azolla cultivation was given by Mr.

Pragatheesh S., Agronomist in Horticulture, Department of Agriculture resources and Environment Ahalia campus, Palakkad.

Half kilogram Azolla culture was inoculated in the bed, during harvesting (after 9 days) it weighted 2.5 Kg.

OUTCOME OF THE SCHEME

1. Students got earning while learning.
2. Students got awareness about the uses of Azolla and its importance.
3. Hands on training provide better knowledge about the program and one student involved in this program started

UNIT No. 4

BEAUTICIAN COURSE

Co-ordinator : **Dr.Nisha Lekshmi P.,**

Asst. Professor, Dept. of Hindi

Earn While You Learn (EWYL) program was started on 19/02/2022 at Govt. Arts and Science College Kozhinjampara. Honourable principal Smt. Amala. A K inaugurated the program. The Beautician Course was conducted by Hindi Department. The Co-ordinator of this Program was Dr.Nisha Lekshmi P. Total 16 students of various departments were participating in this program. Smt. Smisha Beautician Star Beauty Parlour, Kozhinjampara lead the classes. Total no. of hours was 20 including theory & practical. The course includes facial, threading, pedicure manicure and mehandi designing.

The first class was started on 19/02/22 at 10am. In this Class Smt. Smisha taught about basic steps of threading and facial. Mainly concentrated theory part and also different steps of facial were introduced. The class ended by clearing numerous doubts of students regarding the topic.

The second class was on 26th February 2022. In this class students learned more steps about facial including face massage. Students use rest of the time for practical she gave demonstration by using two of our students for better understanding. It gave more clarity about the way of implementing facial and massage.

Last class was held on 5th March 2022 there we learned about

pedicure and mamanicure our trainer introduced different tools for their activities. According to this, she did practical activities. After this, students did mehandi designs, which was really beneficial to them. Totally students got 18 hours of classes, once in week with 6 hours per day. In two working days each one hour students practice different hair style also. After all, the classes were really interested and beneficial because that place major roles in our daily life about protecting and maintaining healthy skin. Nowadays that is really essential too.

Now also Students are practicing the learned things from their home like threading, facial, massage, pedicure, manicure, mehandi designing etc. Every student has to write and submit student's diary, what they have learned at the end of every class.

UNIT No. 5

LIBRARY MANAGEMENT

Co-ordinator : **Smt. Alphonse George**, Librarian Grade IV

As a part of EWYL sponsored by Government of Kerala, the library has provided an opportunity for the students to acquire work experience in library activities like stock verification, Data entry for books etc. Librarian Smt Alphonse George provided the library management class for the students.

Activities include;

- 1.Data Entry for Books
2. Stock Verification
- 3.Shelf Rectification
4. Acquisition

UNIT No. 6

MUSHROOM CULTIVATION

Co-ordinator : **Mrs. Nimi Narayanan**,
Asst. Professor, Dept. of Microbiology

Mushrooms are one of best diet components, as they are good source of protein and rich in vitamins and nutrients. Besides, they are having very less amount of cholesterol and carbohydrates making them an ideal diet for cardiac and diabetic patients. Mushroom cultivation is one of the most profitable business which require a low investment and less space. Cultivation of mushrooms is an indoor activity as it

does not require sunlight, agricultural land and can be carried out throughout the year under controlled environmental conditions. Mushrooms are cultivated using agricultural residues like straw as substrates and thereby improving the sustainability through recycling of organic waste.

Objective and Scope

The project aims to train the selected students for mushroom cultivation, harvesting, packing and supply to the market. It also aims in generation of revenue in the institute.

Hands-on training on mushroom cultivation

Before starting the cultivation process, a session was conducted to create awareness on theoretical and practical aspects of mushroom cultivation among the students. It was handled by Mr. Pragatheesh, Agronomist, Ahaliya Institute, Kozhippara and he provided hands-on training on mushroom cultivation.

Activities :

1. Cleaning and sterilization of cultivation room
2. Preparation of substrate
3. Packing of mushroom beds
4. Arrangement of mushroom beds
5. Growth of mushroom

Purchase of raw materials and accessories

The materials needed for mushroom cultivation- paddy straw, sterilization agents, sterilization vessels, packing cover, mushroom spawn and other accessories were purchased from local market.

Cleaning and sterilization of cultivation room

The metals racks and wooden supports meant to hang mushroom beds were cleaned thoroughly with water and Dettol to remove the microbes. They were placed inside the cultivation room which was cleaned using Dettol and bleaching powder. The air inside the room was sterilized by fumigation.

Preparation of substrate

Dried, golden yellow colored paddy straw, collected from local vendor was used as the substrate. It was sterilized by immersing it water with sterilization agents in plastic drums. After overnight incubation, the sterile paddy straw was dried under sunlight. The surface of the silpaulin sheet was sterilized by dettol. The sterile, wet straw was spread over it and kept under sunlight. It was dried till the straw attained fifty percent moisture.

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Packing of mushroom beds

Packing covers (HM cover) was tied at one end using rubber band and put a small amount of mushroom spawn in it. It was overlaid with an air tight layer of sterile paddy straw of about 2 inch height. Towards the periphery of this layer, mushroom spawn was spread in such a way that it was on direct contact with packing cover. The next layer of paddy straw (about 2 inch) was packed over it with a peripheral layer of spawn. The process was repeated to fill the entire packing cover to get the mushroom bed. Holes were made on packing cover with sterile needle.

Growth of mushroom

The growth of mushroom was confirmed by development of mycelial growth as white layer spreading over the entire bed. The atmospheric temperature and low humidity during summer can affect time taken for mushroom bud formation. We could get the first harvest in 30 days.

UNIT No. 7

ORNAMENTAL FISH FARMING

Co-ordinator : **Dr. Vipin P. Sivaram,**
Asst. Professor, Dept. of Biochemistry

The Unit started the preliminary works for establishing the infrastructure needed for the program from 02.03.2022, Friday by contacting firms which grow and market ornamental fishes near Kozhinjampara and Palakkad town. The shops which offered lowest rates and best quality were selected. The preparation works of the

space provided for establishing aquariums were done on the following days and preliminary materials were also purchased. From 4.3.2022 onwards the aquariums were installed by the students and the process completed within three days. Following acclimatization of the tanks fishes were released into the tanks and observed their activity and survival rates on the following days. It was an encouraging result we got. On 10.03.2022 we got the first set of eggs hatched with nearly 30 live fishlings which were safely shifted to one of the exclusive tanks meant for the purpose. The work is going on and the unit plans to increase the number of high breeding fishes in the tanks on the coming days.

UNIT No. 8

SOAP MAKING UNIT

Co-ordinator : **Sri. Lakshmanan K.,**
Asst. Professor, Dept. of Commerce

The unit titled Soap Making Unit initiated under EWYL Programme has been intended to be engaged in producing bathing soap, washing soap and washing products from the respective kits purchased from the leading Soap manufacturing Company. The department of commerce hereby given a platform for the commerce students to learn about manufacturing, weighing, packing, sales and other commercial activities.

Objective and Scope

The project aims to train the selected students for manufacturing of bathing soap, washing soap & washing powder and packing and supply to the market. It also aims to generate revenue for the institute. Mrs. Arsath, Managing Director of the Happy Soap Manufacturing Unit had given hands-on training on the manufacturing of bathing soap, washing soap and washing powder. on 19th Feb 2022 immediately after the inauguration of the EWYL Programme at College auditorium. The kit of 26 numbers of bathing soap, washing soap and washing powder was purchased from Happy Soap Manufacturing Unit, a leading soap and allied manufacturing and exporting company in Palakkad. Other required materials have been purchased from the local market and Palakkad where it is available. One kit of each item has been used for the hands-on training. The 23 students produced the bathing soap, washing soap and washing powder from the remaining 25 kits and packed them on every Saturday and also from 3.30pm to 4.30pm after regular class hours at the Library room and available B.Com classrooms.

UNIT No. 9

STORE MANAGEMENT UNIT

Co-ordinator : **Sri. Lakshmanan K.,**

Asst. Professor, Dept. of Commerce

Store Management Unit

The Store Management Unit initiated under EWYL Programme has been intended to be engaged in managing the co-operative store of the Govt. Arts and Science College Kozhijampara focusing on the areas of accounting, inventory management and salesmanship.

Objective and Scope

The objective of the project is to impart basic skills and knowledge to the selected students for giving the assistance in managing the co-operative store of the college as store assistants or salesman or clerks. The department of commerce hereby gave an opportunity for the two commerce students to learn about the management of co-operative stores focusing on accounting, inventory management and salesmanship.

UNIT No. 10

VERMICOMPOST

Co-ordinator : Smt. Bindhu S, Asst. Professor, Dept. of Malayalam

It is the process of the decomposition using various species of worms, to create a mixture of decomposing vegetable or food waste, bedding materials and vermicast. While doing this in the college it will help to put the compost in to our vegetable garden and it also promotes organic farming. It helps to avoid the use of chemical fertilizers.

An expert in the making of vermicompost Mr. Chinna Thambi had taken an introductory class to give us the valuable information about

vermicompost. At that day we started to collect dried leaves and we cleaned the pit which is used for making compost.

UNIT No. 11

PAPER PEN AND PAPER BAG MAKING UNIT

Co-ordinator : **Dr. Seethalekshmi M.P.,**

Asso. Prof, Dept. of Commerce

The Department of Commerce of GASCK have undertaken 7 units under EWYL Scheme, one of them is paper pen and paper bag unit. The students from I and II B.Com. (15 Nos.) participated in the program. The unit started its activities on 12/03/2022 Saturday. The training was given on both items by Kum. Kavya on the first day and the students made 5 pens and 5 bags each on the same day. Then on free hours and on Sundays they made 35 pens and 10 bags each. It was very interesting for the students and they enjoyed working on it.

UNIT No. 12

STITCHING UNIT

Co-ordinator : **Dr. Seethalekshmi M.P.,**

Asso. Prof, Dept. of Commerce

One out of the seven units selected by the Department of Commerce under EWYL Scheme was Stitching unit. It started its activities on 19/02/2022 itself. Two machines were purchased at first along with required stitching materials and 14 students from both first and second B.com. were selected and given hands-on training to all in the

presence of trainer Smt.Radhika for two days. It took much time to run the machine for some students and some other caught it easily. After two full days training they started stitching bags, four students made ten bags and others two each. Since the no. of machines available for practice is only two, it takes time to complete the work on time. Inexperience of the students in this field brings frequent repair of the machines which lead to additional cost. The unit is still performing its activities on all working days at free hours.

UNIT No. 13

HORTICULTURE

Co-ordinator : Smt. Amala A.K., Asso. Professor, Dept. of
Commerce

Horticulture unit has 23 students. They have completed 20 hours in various skills associated with this unit. The unit has converted around 1 acres of waste land surrounding the academic block in to cultivating land. For ensuring proper irrigation drip irrigation and sprinkler irrigation system has started. The unit has planted around 200 flowering plants and set up a medicinal and Cactus Garden. Along with this the preliminary work relating to setting up a vegetable garden is going on.

UNIT No. 14

OFFICE MANAGEMENT

Co-ordinator : Sri. Ramesh K, Asst. Professor, Dept. of Commerce

One out of the seven units selected by Department of Commerce under EWYL Scheme was Office Management Unit. Its started functioning on 19-02-2022 itself. 23 students from both I and II B.Com. were selected and given practical training on Office Management tools by Smt. Swetha Kesav and training on common office procedure was done by Office Superintendent Smt. Rekha C.C.. Moreover, so many activities were performed by the group on all holidays and free hours on working days.

These activities include

1. Preparing the List of students for Internship /Project
2. II Sem UG Result Analysis
3. Tutorial Record Updation
4. EWYL Documentation
5. Category wise result analysis
6. Manual of Office Procedure
7. File Arrangement Work and Tutorial Record Updation
8. Google Form Creation Training
9. Record updation of Scholarship, Alumni, etc, and Department file arrangement
10. MS Word hands-on training
11. Category wise analysis of Admission Data
12. Category wise analysis of Admission Data
13. III Sem B Com result analysis
14. File Arrangement Work
15. MS Excel hands-on training