

Walk With Scholar 2021-22

Report of the activities conducted during the academic year 2021-22

WWS is a specialized mentoring scheme designed to provide guidance for UG and PG students in Arts and Science stream for their future endeavours. The mentor acts as a 'Guide' and a 'Friend' to cater the needs of the students. The Scheme aims at giving necessary orientation and motivation to needy students, to prepare them for employment and give them necessary guidance to select areas for higher study and necessary mental support to identify appropriate areas for higher study as well as employment. The post covid scenario and the overlapping of classes and undue delay and fluctuations of the exams made it a bit difficult to conduct the program in a full-fledged manner. However, the mentoring system under WWS has been conducted by the mentors from various departments.

A meeting of the department level mentors was convened on 14th November 2021. Top performing three students each from PG and five students each from UG classes were selected and separate mentors for UG and PG classes were allotted from their respective department itself. The meeting of the internal mentors decided to carry out the mentoring department wise as the requirement and opportunities for students are different for different subjects and hence the following faculties were selected as internal mentors from departments.

<i>Name of the Department</i>	<i>Name of Mentor (UG)</i>	<i>Name of Mentor (PG)</i>
English	Jithin John	Anna
Physics	Nibu A George	Ambika D
Chemistry	Christeena Mariam Mathew	Jintha Thomas
Mathematics & Data Analytics	Jaimy Sarah	Jinta Tom
Commerce	Aby T Alias	Sheeba Joseph
Economics	Ashly Thomas	Thara Thomas
Botony	Krishna Raj	
Zoology	Sany Mary Benchamin	
Malayalam	Selvy Xavier	
Political Science	Sheeja Kuriakose	

The details of various programs conducted under the scheme by the department mentors are:

Department of English

Walk with Scholar Program aims at honing the talents of the outstanding students. The following students were the mentees in the Walk with the Scholar programme. These students of BA English took part in various programmes under the guidance of Mr Jithin John, teacher in charge.

1. “Therefore Im”- Introductory Session.

All eleven students assembled on 2nd December 2021 held at the Department library of English at 3 pm. The students were directed to identify their most powerful strength and speak about it for five minutes. The students were given hypothetical situations and were asked to share their probable way of solving it. The brainstorming session helped students to identify their strength and to enhance their confidence.

2. Career Orientation

The Head of the Department and teacher in charge jointly organized a Career Orientation session, understanding the change of career options post English Language and Literature Graduation. The students were asked to attend, a collaborative programme which was organized in association with Dream Zone School of Creative Studies. Various courses as Master Diploma and Certificate Courses on Fashion Design, Interior Design, Graphic Design and Web Development were introduced. This gave a new air of possible varied courses.

3. “Face to Face”- Individual Meet.

The wards were met individually and the teacher in charge tried to understand the aspirations and ideas in the minds of the wards. The meeting was confidential and personal. This session aimed at comprehending the general attitude of the students towards things.

Department of Physics

- It was during the December of 2021, that I Ambika D was entrusted with the activities related to WWS (walk with the scholar) program for PG students of Physics department. The program aimed at to bring out the abilities of the students and guide them to achieve their goal. Even though WWS program was initiated only during late second half of the academic year, Dr Aparna Thankappan and Smt. Neha P. R. was already engaged in training students in taking **seminars** whose details are as below. Apart from that, **NET coaching classes** were out under the supervision of Dr. Aparna Thankappan and Ms. Neha P. R.

<i>Sl.No.</i>	<i>Speaker of the day</i>	<i>Topic</i>	<i>Chair</i>	<i>Moderator</i>	<i>Date</i>
1	Mr. Anandu Vijayan	Quantum Battery	Sanjay S Kumar	Ms. Neha P R	20/2/22
2	Ms. Dasy Kuttappan	Light Fidelity	Sanjay S Kumar	Ms. Neha P R	20/2/22
3	Ms. Vinaya P.	Cherenkov Radiation		Ms. Neha P R	30/1/22
4	Ms. Uttara	Virtual reality and its fruitful applicaions to mankind		Ms. Neha P R	30/1/22

5	Ms. Devika	Parker solar Probe	Akhil K M	Ms. Neha P R	14/2/22
6	Ms. Krishnendu R	James web space Telescope	Akhil K M	Ms. Neha P R	19/2/22
7.	Ayana Babu	New Earth	Silpa Sivan	Dr. Aparna Thankappan	8/5/2021
8	Silpa Sivan	Worm Hole	Bitty Paul	Dr. Aparna Thankappan	26/6/2021
9.	Merin Ann Varughese	Kupier Belt and Oort cloud	Atheena Jain	Dr. Aparna Thankappan	3/7/2021
10	Atheena Jain	Colour of Universe	Anoop K S	Dr. Aparna Thankappan	27/2/21
11	Ariakutty C S	Superconductivity	Adarsh T saji	Dr. Aparna Thankappan	6/3/21
12	Adarsh T Saji	Gravitaional Waves	Nikhil Raju	Dr. Aparna Thankappan	13/3/21
13	Nikhil Raju	Good particles	Aswathy	Dr. Aparna Thankappan	20/3/21
14	Aswathy R	Dark energy and dark matter	Niya K Nelson	Dr. Aparna Thankappan	27/3/21
15	Niya K Nelson	Newtonian and non-Newtonian Fluids	Jyothisree V P	Dr. Aparna Thankappan	10/4/21
16	Smruthi S Kumar	String theory	Merin Ann Varughese	Dr. Aparna Thankappan	24/4/21
17	Bitty Paul	Quantum Computing	Ariakuty C S	Dr. Aparna Thankappan	15/5/21

B.Sc. Physics

Due to covid pandemic situation this year's mentoring process was limited to online activities. Students having potential for higher studies were identified and a google classroom is opened for them. Materials for preparing for competitive/entrance examination for higher studies were

shared in this class room. A number of students used this very effectively and are in preparation for the same.

Department of Chemistry

The WWS session for the UG scholars in this academic year were officially started on November 15 th 2021. The tutor provided the importance of the benefits of the WWS Scheme such as how to increase self-confidence, improve communication skills, excel the academic performance, increase the awareness regarding the higher studies and career opportunities and improve interpersonal functioning on the day.

Besides, WWS Scholars of B. Sc and M.Sc. program were directed to register for online courses organized by Learn to Upgrade recognized by DBT and NSDC.





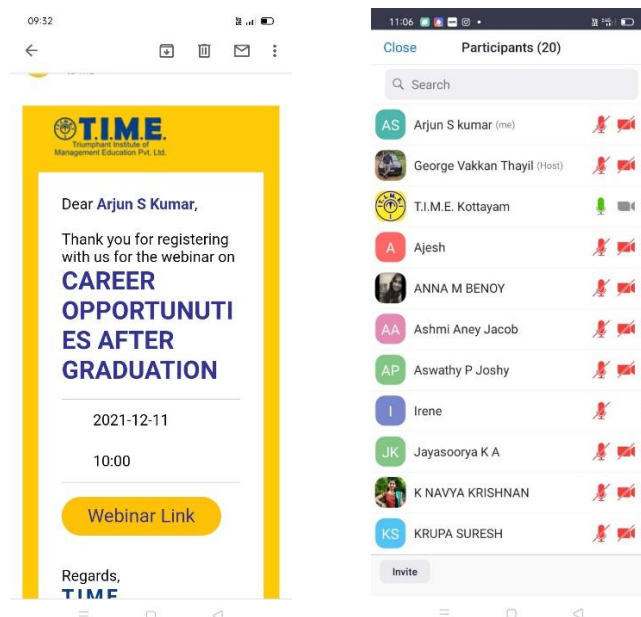
Department of Mathematics & Data Analytics

WWS programme of Department of Mathematics comprised an overall of 21 students, 6 from PG and the rest from UG. The list of Mentor and the corresponding students are in the Appendix given below. The WWS programmes of UG and PG were held separately. The mentor for M.Sc Data Analytics was Ms. Jinta Tom and that of B.Sc Mathematics was Mrs. Jaimy Sarah Jacob. During this academic year, COVID-19 created a pandemic situation, so most of the WWS sessions were held in the online mode.

B.Sc Programme

The WWS session for the UG scholars in this academic year were officially started on November 15 th 2021. The tutor provided the importance of the benefits of the WWS Scheme such as how to increase self-confidence, improve communication skills, excel the academic performance, increase the awareness regarding the higher studies and career opportunities and improve interpersonal functioning on the day.

Besides, WWS Scholars were directed to register for participating in the programme 'Opportunities after Graduation' which was held by TIME and Baselius College at 10.00 am on 11th December, 2022. All the WWS Scholars participated in the programme. Also, scholars were directed to attend several seminars like free career guidance seminar presented by Cardia Health Care Solutions and these sessions helped them to get a wide awareness about several career opportunities. Likewise, students were directed to attend several career opportunities classes.



In addition, a recorded video of career guidance programme ‘What Next? Challenges and Opportunities in Mathematics’ for B.Sc Mathematics students by Dr. Ambat Vijayakumar who is the vice president of Ramanujan Mathematical Society and Emeritus Professor of Department of Mathematics in CUSAT had been shown via Google Classroom on 6th January, 2022.

The application of mathematics in various fields like how linear algebra is being used in a Google page etc. were discussed. The opportunities and higher studies available for BSc Mathematics students were also mentioned. Possibilities of Mathematical Modelling techniques in various field like Epidemiological Network, Mathematical Psychology or Psychonomics etc. and the application of mathematics in phylogeny to trace the origins and transmission rates of infectious diseases such as Dengue, Sars Cov – 2, Graph theoretical application in Neural Networks of Human Brain, Fractal Application in Diabetic Retinopathy etc. were also pointed out. New Research oriented topic and areas for higher studies in fields like Philo Genetics and Oncogenomics, Digital Forensic, Meteorology, Oceanography and some new gen courses such as Data Security, Cyber Security, Actuarial Science, Big Data Biology, Cryptography etc. and their applications were also elaborated in the session.

M.Sc Data Analytics Programme

The Walk With a Scholar (WWS) programme of this academic year for MSc. Data Analytics students flagged off on 15th November 2021. A number of activities for the selected students were arranged. The tutor supported the students in various aspects of their academic journey which helped them to work hard and master new skills. The programme also boosted their academic performance and provide a new vision to the emerging career opportunities in the data analytics field.

The participants of the programme have given special training in Ms Excel, Python language and SQL which helped them to improve their analytic skills. Also, a number of online courses based on data analytics stream were given to these students and have provided them with certificates after the successful completion of the same.





These courses provided basic hands-on experience in data analytics tools and programming languages.

Moreover, they have given assistance for doing mini projects on analyzing different types of data and attaining meaningful conclusions. In addition, group discussions on different topics were arranged to improve their linguistic as well critical thinking skills. These sessions were very much beneficial and helped to uplift the confidence level of the scholars.

Thus, all these guidance and career opportunity classes was obviously a requisite for B.Sc students, especially for those who are at the brink of the completion of the course. Through the class, scholars were able to gain a deep understanding of almost all the available opportunities opened for B.Sc Mathematics students as higher studies and jobs after the completion of the course.

Department of Commerce

Five students each from D1, D2, D3 and two students each from M1 & M2 were selected for mentoring under WWS based on their merit. These students were entrusted with their mentor Aby T Alias and Sheeba Joseph. An insight about the career and higher education opportunities inside and outside the state has been given to the mentees. A few of them were directed towards the courses available in online besides their curriculum.

Department of Economics

Criteria for selection:

Top five students based on their overall performance from first year, second year and final year degree classes were selected for walk with a scholar programme in the UG level for the year 2021-22.

Self Esteem development

1. Whom am I session- It helped to develop a positive idea about who they are and a high self-esteem. Moreover, the session "I am unique" based on their abilities are intended to help students to feel genuinely good about themselves.

2. Goal setting session- scholars have different ambitions. The session aimed to set goals and make them feel that is attainable.

Academic / co-curricular development

1. Participation in programmes

In order to get a clear-cut idea about the new changing world order, emerging economies, current issues in economics etc. the students were motivated to participate in various programmes of regional, national and international level organised by various institutions. The Wide range of programmes encompassing

1. Participation in webinars /seminars
2. Participation in quizzes/discussions/ debates

2. Reading Habit

1. Motivated to read E-books related to economics
2. Motivated to read books from General Library in the College

Department of Botony

As per the decision taken by the meeting of WWS led by the convener Ms. Sheeba on 14th November, top five students with academic excellence were selected from BSc. Botany first, second and final years. Thus, WWS programme of Department of Botany comprised an overall of 10 students. During this academic year, COVID-19 created a pandemic situation, so most of the WWS sessions were held in the online mode, except few.

Mentoring details

The WWS session for the UG scholars in this academic year were officially started on December 6th 2021. The tutor provided the importance of the benefits of the WWS Scheme such as how to improve communication skills, excel the academic performance, increase the awareness regarding the higher studies and career opportunities and improve interpersonal relationships. Biography of eminent scientists in the field of botany were distributed to students and motivated them to read line by line and encouraged to prepare a flow chart. Also advised students to label new vocabulary comes in between and try to find out its meaning. They were also given special orientation to pursue career goals with the help of a speaker cum Career trainer Dr. Sunilkumar T., Assistant Professor, Department of Botany, SD College, Aleppey on 14.03.2022.

Department of Zoology

The WWS mentor for the Department was Assistant Professor, Sany Mary Benjamin. A total of five students were taken for participating in WWS Programme.

B.Sc Programme

1. A task was given to students to create innovative videos related to National Mango Day. Students created healthy and nutritious mango dishes and posted the content in YouTube. An online poll was conducted to select the most interesting dish.
2. Creative discussions on scientific topics like Bubble net fishing and Terraforming colonies were held. All students were asked to prepare notes and PowerPoint slides and give presentations
3. Students were asked to identify local fauna and flora Slides were presented and students identified the species. The programme gave an insight on the importance of awareness on the life around us

Department of Malayalam

The WWS session for the UG scholars in this academic year were officially started on December 6th 2021. The tutor provided the importance of the benefits of the WWS Scheme such as how to improve communication skills, excel the academic performance, increase the awareness regarding the higher studies and career opportunities and improve interpersonal

relationships. They were also given special orientation to pursue career goals with the help of a speaker cum Career trainer Dr. Jobin Jose, Assistant Professor, Department of Malayalam, Devamatha College, Kuravilangad on 13.11.2021.

Department of Political Science

Keeping in view of equipping the students with various skills the department has organized programs including debates, seminars and competitions during academic year 2021-22. The programs conducted with the support and participation of scholars are listed below.

- Informs the students the invitations regarding programmes of other departments, colleges and NGOs or similar such groups and hoards the brochures and in the notice board.
- Send the students for academic or extracurricular activities of importance on their request.
- Giving Information on Career opportunities and trainings of various kinds
- By identifying the students with learning difficulties, the department arranges combined study for part One Papers (English Language) under the effective leadership of the group leaders chosen by the department.
- Give information regarding courses and institutions of prominence and social medias like WhatsApp serves very much for this purpose
- Give information regarding online courses.
- Tutorial sessions serves a session for mentoring and discussing public policies regarding cotemporary social issues
- Encourages and supports talented students in the field of arts, sports and culture
- Promotes the habit of reading by encouraging them to take books from General and departmental libraries.

PROGRAMS CONDUCTED BY THE SCHOLARS

1. LEGAL AWARENESS CLASS

As part of Legal awareness campaign, a Legal Awareness Class titled **Adolescence Drug Abuse: Social and Ethical Issues** was delivered by Ms. Rose Manoj on 1st December 2021 at CMS GHSS Kottayam.

2. DOCUMENTATION ON CAREER OPPORTUNITIES IN POLITICAL SCIENCE

Documented a write- up for introducing Career options in Political Science include those in the federal, provincial, and local governments whose institutions include the executive, legislative and judicial branches, civil society organizations, such as non-governmental organizations (NGOs), and the private sector. The document also introduces

<https://docs.google.com/document/d/1u-WePof7tIWUYFc1v9wpZi53ODmdInCL/edit?usp=sharing&oid=106030370893814705992&rtpof=true&sd=true>

3. DOCUMENTATION ON HIGHER EDUCATION

Documented a file on Institutions of Higher Education in Political Science in India

https://docs.google.com/document/d/14CXFIBwqIG8W6TbW2WOEBojc6LAL_5Pr/edit?usp=sharing&oid=106030370893814705992&rtpof=true&sd=true

4. DOCUMENT ON REGIONAL HISTORY OF KOTTAYAM

1) Scholars of D2 Political Science prepared a report on the history of Kottayam district in response to the order from the collectorate , G4/23789/2021/DCE dated 07-01-2022

<https://docs.google.com/document/d/1wZ6w6vcsV3N59bvScIbteEvauA0xwqH1/edit?usp=sharing&oid=106030370893814705992&rtpof=true&sd=true>

5.ELECTORAL SURVEY

An Electoral survey conducted in connection State Assembly Election 2022 involving many students involving scholars of D1 and D3

5. SCHOLARS EXTENSION ACTIVITIES OF STUDENTS TO OTHER CLUBS

Ms. Devananda Rajesh (D2 Political Science)

1.As part of the lecture series organized under the leadership of the Malayalam Department of Baselius College Kottayam, Devananda Rajesh, Second Year student, sang a poem by Dr. Muse Mary George who is a Poetess and Retd Prof. of UC College, Aluva

<https://youtu.be/eYVsBGdXUMY>

2 A.Video presented by Anakha S Thampi,Third year Political Science Student, and Devananda Rajesh, Second Year Political Science Student, On September 10th, in connection with with the Suicide Prevention Day for the Agneya Women's Forum

<https://youtu.be/q2CADqdI0-4>

3.Ms Anakha S Thampy participated in making a video for Choreography Club, Baselius College Kottayam.

https://www.instagram.com/tv/CNRgqFNjU3W/?utm_medium=copy_link

Convener: Dr. Sheeba Joseph