



UNION CHRISTIAN COLLEGE ALUVA-2



SSR 5th CYCLE 2023



Criterion 3

3.4.1 Outcomes of Extension activities



OBJECTIVE: SDG 4 - QUALITY EDUCATION

Activity 1: CENTENNIAL VISTA 2022

(a) Mega Exhibition - Centennial Vista 2022

Date: 07/11/2022 – 12/11/2022

Report: In a remarkable celebration of its rich legacy and contributions to education, Union Christian College (UCC) in Aluva, Kerala, marked its centenary with an awe-inspiring mega exhibition titled "Centennial Vista 2022." which was held from 07 to 12 November 2022. "Centennial Vista 2022" was a multi-faceted exhibition that showcased UCC's historical significance, academic excellence, cultural diversity, and societal impact.

One of the highlights of the exhibition was its focus on academic excellence. Different departments and faculties set up interactive displays, highlighting the cutting-edge research, innovative teaching methodologies, and accomplishments of students and faculty members. This not only underscored UCC's commitment to quality education but also inspired young visitors to pursue their academic goals with passion and dedication. The Centennial Vista exhibition, organized by the 18 departments of Union Christian College, provided a rich educational experience that was particularly beneficial to school students. Each department's unique presentation offered valuable insights, inspiration, and practical knowledge that could help shape the academic and career paths of the young visitors. The participation of prominent public sector units like the Indian Space Research Organisation (ISRO) Cochin Shipyard, NPOL, the Indian Rare Earth Ltd, the Armed Forces, Kerala Police and Fire force in the "Centennial Vista 2022" mega exhibition had an immensely positive impact on students and the general public. These collaborations provided unique opportunities for learning, inspiration, and exposure to cutting-edge technology and industries.

Impact: For school students, the departmental exhibitions offered a unique opportunity to explore various academic disciplines beyond what they might encounter in their classrooms. The interactive and hands-on nature of these displays sparked curiosity and encouraged active learning. Students were able to visualize career paths, discover their interests, and set educational goals based on their newfound understanding of different fields. Additionally, these exhibitions showed them how subjects they might perceive as unrelated often intersect and collaborate in the real world.











ACTIVITY 2: PROGRAMMES CONDUCTED FOR THE BENEFIT OF HIGH SCHOOL AND HIGHER SECONDARY SCHOOL STUDENTS

(a) Gifted Children Programme 2023

Date: 28/01/2023, 25/02/2023

Report: The 'Gifted Children' programme initiated by the Education Department, Government of Kerala to support and guide students talented in various fields is once again set to be carried out in Kerala. According to the district education authorities, the initiative is being carried out for the overall academic and extracurricular development of students and to encourage them to try a hand in various fields. As part of the initiative, a total of 50 talented students from the district, belonging to class VIII, IX and X have been selected for this program. The selection was done on the basis of the score obtained by students in the USS scholarship examination.

Union Christian College, Aluva is one of the selected centres in Ernakulam district for conducting the prestigious program namely, "Gifted Children programme" the year 2023. The program schedule was a span of two days, namely 28 January 2023 and 25 February 2023. The program was held in collaboration with six departments (Physics, Chemistry, Botany, Mathematics, Economics, and History) of our college and was comprised of lectures,



presentations and open discussions which allowed the participants to enter into practical discussions. Lectures and demonstrations based on various topics in physics, chemistry, life sciences, history, economics and mathematics conducted by the experts in this area during this programme. Resource persons were:

Ms. Shasiya P S & Ms. Vidhya K V, Research Scholars, Department of Chemistry (Topic: “Introduction to Nanotechnology”)

Dr. Ajalesh B Nair, Assistant Professor, Department of Chemistry (Topic: “Magic of Chemistry”)

Dr. Anumol Jose, Assistant Professor, Department of Botany (Topic: “Amazing world of microbes & laboratory demonstration of different microbes”)

Ms. Rakhy Raphael, Assistant Professor, Department of Physics (Topic: “Basics of optics & laboratory experiments”)

Dr. Sunil Abraham Thomas, Assistant Professor, Department of Economics (Topic: “Let’s talk economics”)

Ms. Thasni Navas, Guest Faculty, Department of Economics (Topic: “Economics of Koutilya”)

Dr. Geena Joy, Assistant Professor, Department of Mathematics (Topic: “The mathematics behind data encryption”)

Ms. Tresa Divya, Assistant Professor, Department of History (Topic: “A perspective to understand present”)

The students had a wonderful opportunity to learn from eminent personalities and explored the lab sessions.





UNION CHRISTIAN COLLEGE, ALUVA

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(b) Sasthra Jaalakam

Public Education Department under the guidance of State Institute of Educational Technology (SIET), Kerala is conducting a state level program called “SASTHRA JAALAKAM” for school students in order to inculcate scientific temper and to increase their proficiency in scientific knowledge. Students from government and aided schools who are studying in 9th standard and those who have interest in science have been selected for this program.

- **Sasthra Jaalakam - 2018**

Date: 30/11/2018 – 02/12/2018

Report: Union Christian College, Aluva is one of the selected centres in Ernakulam district for conducting the prestigious program “SASTHRA JAALAKAM” in the year 2018. The program schedule was a span of three days, namely 30 November 2018 - 2 December 2018. Department of Chemistry organized the programme in collaboration with three departments (Physics, Zoology and Botany) and 36 students participated in the workshop. Lectures and demonstrations based on various topics in physics, chemistry and life sciences conducted by the experts in this area during this workshop.



The participants and organizers with the guests



• **Sasthra Jaalakam - 2019**

Date: 28/11/2019 – 30/11/2019

Report: Union Christian College, Aluva is the only selected centre in Ernakulam district for conducting the prestigious flagship program “SASTHRA JAALAKAM” for the year 2019. This is the second consecutive year; our institution was selected for conducting this program. The program schedule was a span of three days, namely 28 - 30 November 2019. Department of Chemistry organized the programme in collaboration with three departments (Physics, Zoology and Botany) and 57 students participated in the workshop. Lectures and



demonstrations based on various topics in Physics, Chemistry and Life sciences were conducted by the experts in this area during this workshop.





(Manorama news dtd. 29th November 2019)

(c) Sasthrapadham

Samagra Shiksha, Keralam in association with Department of Higher Secondary Education and Department of Collegiate Education is conducting a state level program called “SASTHRA PADHAM” for PLUS ONE students in order to inculcate scientific temper and to increase their proficiency in scientific knowledge. Students from government and aided schools who are studying in 11th standard and those who have interest in science have been selected for this program.

• Sasthrapadham-2019

Date: 12/01/2019 – 14/01/2019

Report: Union Christian College, Aluva is one of the selected centres in Ernakulam district for conducting the prestigious program “SASTHRA PADHAM” for the year 2019. The program schedule was a span of three days, namely 12 – 14 January 2019. Department of Chemistry organized the programme in collaboration with four departments (Physics, Mathematics, Zoology and Botany) and 60 school students participated in the workshop. Lectures and demonstrations based on various topics in Physics, Chemistry, Mathematics and Life sciences were conducted by the experts in this area during this workshop.





Inauguration function (The Hindu news dtd. 13th January 2019)

- **Sasthrapadham - 2020**

Date: 01/02/2020 – 03/02/2020

Report: Union Christian College, Aluva is one of the selected centres in Ernakulam district for conducting the prestigious program “SASTHRA PADHAM” for the year 2020. This is the second consecutive year that our college has been selected as a centre for conducting the prestigious programme. The program schedule was a span of three days, namely 01 - 03 February, 2020. Department of Chemistry organized the programme in collaboration with three departments (Physics, Zoology and Botany) and 60 plus one students participated in the workshop. Lectures and demonstrations based on various topics in Physics, Chemistry and Life sciences were conducted by the experts in this area during this workshop.



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- **Sasthrapadham, Samoohyasastra Veedhi**

Date: 24/01/2019 – 26/01/2019

Report: Samagra Shiksha Kerala and Kerala Higher Secondary Education Department jointly organise Samoohyasastra Veedhi under the rubric of SASTHRAPADHAM a three day residential workshop for sixty students selected from plus one classes of various schools in Ernakulam district for promoting critical, social, scientific temperament and higher qualities of research that would ultimately lead to the creation of an excellent band of students for serving the society at large. The programme includes, erudite mentoring lectures, focused academic interactive sessions, interaction with outstanding students from the arena of social science research, documentary- film screening and field trip for getting acquainted with the history and heritage of the region in and around them. The programme is conceived with the avowed objective of transmitting higher academic culture to the higher secondary students that would certainly take them to greater levels of educational pursuits in tandem with internationally acclaimed institutions. The three-day workshop spread over from 24 January 2019 to 26 January 2019 was organized by Department of History, Union Christian College, Aluva in 2019. The sessions that included rigorous lectures on latest trends in social science education and learning also transmitted values that a student is expected to learn in such classes. Career prospects as well as theoretically oriented sessions were integrated well all throughout the three day camp. Experts and erudite teachers and researchers from universities and colleges were assigned themes and specialized topics that would find its way into the thought world of the young students.





(d) CIPHER - Inter School Mathematics Quiz Competition

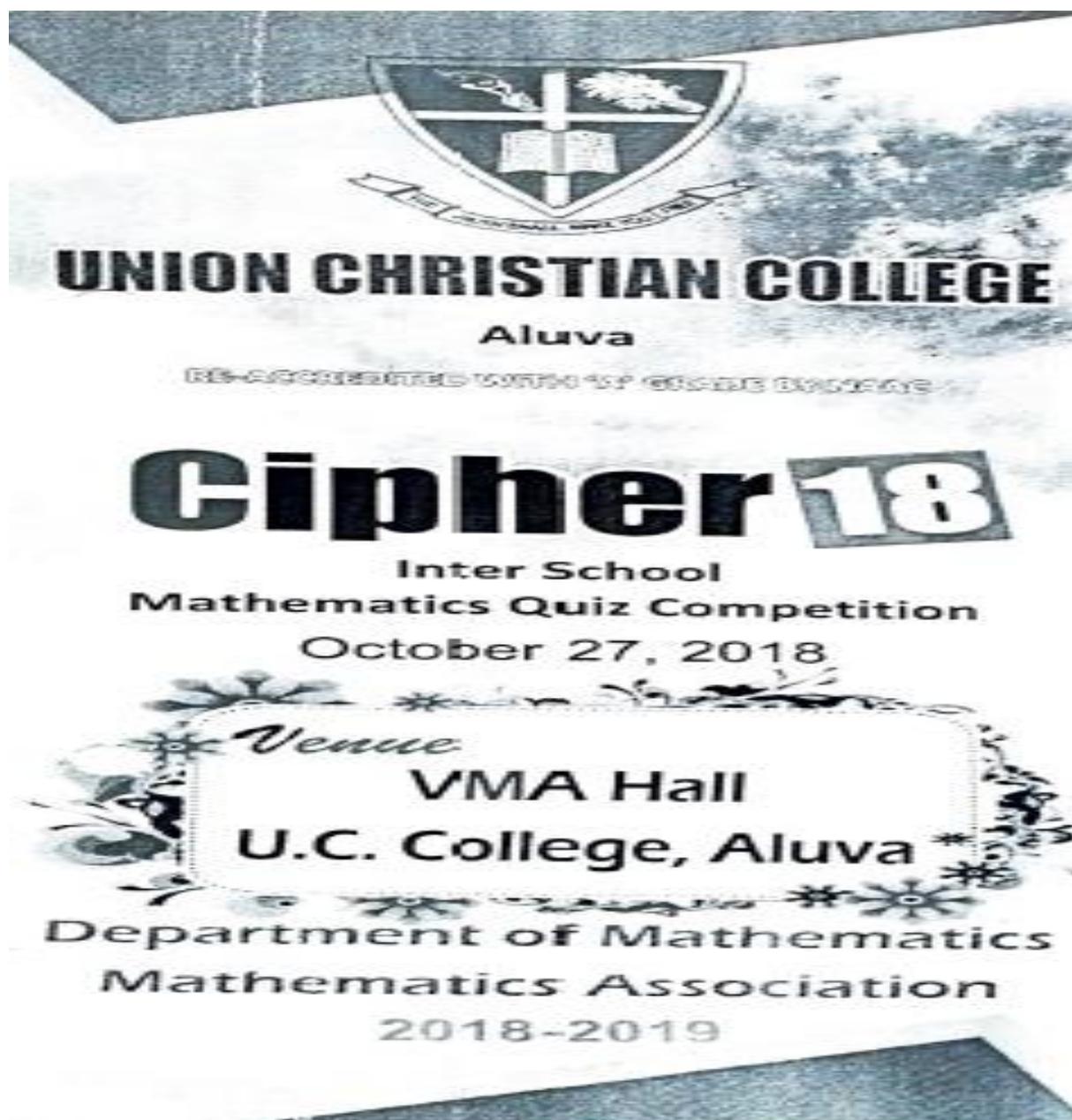
- CIPHER-18

Date: 27/10/2018

Report: Department of Mathematics organized Cipher-18, the Inter School Mathematics Quiz Competition for the K. P Mathew ever rolling trophy was conducted on 27 October 2018. Dr. Manju K. Menon, Assistant Professor, Department of Mathematics, St. Paul's College, Kalamassery was the quiz master. Twenty-two teams from various Schools participated in the competition. Following are the winners.

| Position | Name of the students | School |
|----------|--------------------------------------|--------------------------------------|
| First | Aswin S Amal Kuruvila Babu | Sacred Heart HSS, Thevara |
| Second | Arjun S Gary Thomas Job | Vidyodaya School, Thevakkal |
| Third | Meghna Mohandas Rakhi R. Panicker | Bhavan's Vidya Mandir, Elamakkara |
| Fourth | Advaith Vijayan Jayakrishnan P | S.N.H.S.S, Okkal |







- **CIPHER-19**

Date: 28/09/2019

Report: Mathematics Association, Department of Mathematics conducted ‘Cipher-19’, Inter School Mathematics Quiz Competition for Higher Secondary School students on 28 September 2019 at 10.00 am in T B Ninan Hall. Eighteen teams from various Schools participated in the competition. Dr. Bobby P. Mathew, Assistant Professor, St. Thomas College, Pala was the quiz master. Following are the winners.

| Position | Name of the students | School |
|----------|--------------------------------------|-----------------------------------|
| First | S. Seshapriyan Ajeed C. Shajahan | Bhavan’s Vidya Mandir, Elamakkara |
| Second | Mohammed Sharooq N. Noel Biju | Sacred Heart HSS, Thevara |
| Third | Meghna Mohandas Rakhi R. Panicker | Bhavan’s Vidya Mandir, Elamakkara |
| Fourth | Alby Thekkedan Midhun James | M.C.M. HSS Pattimattom |





**UNION CHRISTIAN COLLEGE
ALUVA**

RE-ACCREDITED WITH 'A' GRADE BY NAAC

**Cipher
19**

**Inter School
Mathematics Quiz Competition**
September 28, 2019

VENUE
**T.B. Ninan Hall
U.C. College, Aluva**

Department of Mathematics
Mathematics Association
2019-2020



- **CIPHER-22**

Date: 02/10/2022

Report: Mathematics Association, Department of Mathematics conducted Cipher-22, Inter School Mathematics Quiz Competition for Higher Secondary School students on 22 October 2022 at 10.00 am in T B Ninan Hall. Eleven teams from various schools participated in the competition. Dr. Pramada Ramachandran, Associate Professor, St. Paul's College, Kalamassery was the quiz master. Following are the winners.

| Position | Name of the students | School |
|----------|---|---|
| First | Vishnu Yashas S. Rohith R. Baliga | Chavara Darshan CMI Public School |
| Second | Abhishek S., Christy Dominic Cyril | Government Boys Higher Secondary School |
| Third | T.K. Mustafa Ahammed Ashraf, Sahal Asfar | Christava Mahilalayam Public School |
| Fourth | Sriram C. P. , Aswin Unni | Government Higher Secondary School, N. Paravoor |

The Mathematics Association conducts CIPHER '22 MATHEMATICS QUIZ contest for the KP MATHEW EVER ROLLING TROPHY on 22nd October, 2022 for +1 and +2 students. Each school can send a maximum of two teams containing two members each. The registration will begin by 9.00 am and the competition at 10.00 am. Students who intend to participate may kindly bring letter of identity from their respective institutions. The contestants are expected to be present on time.

REGISTRATION FEE RS 50/- PER TEAM

**FIRST PRIZE
RS 1501/-
&
KP Mathew Endowment Trophy**

**Second prize
1001/-
&
Consolation prize**

DR. M.I. PUNNOOSE
(Principal)

DR. ANU NUTHAN JOSHUA
(Head of the department)

MS. ZIANA .N. MUHAMMED
(Secretary Mathematics Association)

**For more details
Please contact**

MR. EIDO VARGESE
Assistant Professor
Department of Mathematics
Mob:9495128909

MS.ZIANA.N. MUHAMMED
Secretary
Mathematics Association
MOB: 9747131611

UNION CHRISTIAN COLLEGE ALUVA
REACCREDITED WITH 'A' GRADE BY NAAC
CIPHER '22
INTER SCHOOL MATHEMATICS QUIZ COMPETITION
OCTOBER 22, 2022
VENUE: VMA HALL UC COLLEGE, ALUVA
DEPARTMENT OF MATHEMATICS MATHEMATICS ASSOCIATION
2022-2023



(e) Vidya Kiran programme at Viveka Chandrika Sabha Higher secondary school, Puthenvelikara

Date: 11/02/2022

Report: The department of English, as part of its extension activities, formulated a programme that would allow the department to extend the expertise of the Post Graduate students to a selected section of academic society. The department zeroed in on Viveka Chandrika Sabha Higher secondary school, Puthenvelikara, North Paravoor. The school functions in an area that is predominantly catering to a community with limited resources, both financially and academically. The higher secondary students of the school were not well versed or equipped with the faculty of critical reading.

The format of the programme designed specifically for the students of the school, had a two- pronged approach. First, a reading corner was set up in the school on 11 February 2022, for which about 200 English books were donated by the department. The students were encouraged to read the books with the intention to inculcate reading and comprehension in English. The second step was the initiation of training sessions by the postgraduate students



of the department. The sessions handled by 12 students of the department on 26 March 2022 were devised to incorporate Soft skills training, Public speaking and Critical thinking skills.

The objective of the programme was to inculcate desirable educational changes among the students to enhance their learning experience. The postgraduate students of the department, got a hands-on experience with an opportunity to enhance their employability skills.





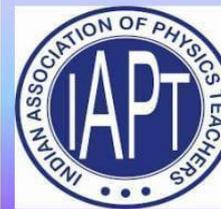
(f) Physics Stage Show – Demonstration of Physics experiments to Higher Secondary School students

Date: 20/10/2022

Report : As a part of centenary program of Union Christian College Aluva, Physics Association in collaboration with Indian Association of Physics Teachers (IAPT) organized a demonstration stage show for selected Higher Secondary School students and first year B. Sc. Physics students on 20 October 2022. There was a demonstration followed by discussion of experiments related to physics topics.



Physics Association
Department of Physics
Union Christian College, Aluva
&
IAPT
(Indian Association of Physics Teachers)



Date : 20/10/2022
Venue: Physics Seminar hall,
Time: 1.30 -3.30 pm

Physics Stage Show

As a part of Centenary program of Union Christian College Aluva physics association in collaboration with Indian Association of Physics Teachers (IAPT) is organizing a demonstration stage show for selected higher secondary students and first year BSc physics students. There will be demonstration followed by discussion of experiments related to the physics topics

IAPT (Indian Association of Physics Teachers) is an association of Physics Teachers spread throughout the country. It is started by Late Dr K P Khandelwal in 1984.

Resource person: Dr T.R Ananthakrishnan
Retired Associate Professor, St. Paul's College, Kalamassery

Anagha A vadakedath
Association secretary

Dr Manu Punnann John
HoD
Dept of Physics

Benazeera Beegum
IAPT secretary



GPS Map Camera



Aluva, Kerala, India
48GM+4GV, Aluva, Kerala 683102, India
Lat 10.125346°
Long 76.333848°
20/10/22 02:26 PM GMT +05:30

(g) Internship Programme on ‘Pottery Cleaning and Sort out’

Date: 24/05/2022 – 26/05/2022

Report: A Three Day Internship Programme on “Pottery cleaning and Sort out” for students of Rajagiri Public School, Kalamassery was conducted by Archaeological Museum, Department of History, Union Christian College, Aluva from 24-26 May 2022. 8 school students benefitted from this programme.







(h) Awareness class on the relevance of Economics

Date: 04/11/2022

Report: This was an extension, where 4 students from Department of Economics gave an awareness class on the relevance of Economics and career prospects in the subject, to students of the Settlement Higher Secondary School, Aluva on 04 November 2022. The program was well received by the school management and students. Around 40 students benefitted from the class.



(i) Awareness programmes on merits and demerits of mobile phones

Date: 12/03/2019, 13/03/2019

Report: As part of outreach programme, 11 students of Department of Computer Science visited Govt. L. P. S. East Kadungalloor on 12 March 2019 and 10 students of the department visited Govt. L. P. S. Chamapparambu on 13 March 2019. They conducted classes for Ist standard to 4th standard students on various topics like basics of computer, awareness on the merits and demerits of mobile phones and gave a basic knowledge about IoT (Internet of Things), a very advanced topic in the area of Computer Science. Our students conducted IT and general quiz for the school students and distributed prizes for the winners. They also conducted a memory test and taught them how to remember without failing the exam.





(j) Awareness programme on conservation strategies of medical plants

Date: 16/08/2022, 17/08/2022, 19/08/2022, 20/08/2022 22/08/2022

Report : Ms. Teema Joseph, Research Scholar, Department of Botany conducted an awareness programme on conservation strategies of medical plants in 6 schools in Varapuzha, namely, Holy Infant's Boy's High School, Varapuzha (17/08/2022), St. George's Higher Secondary School, Puthenpally (16/08/2022), Govt. Higher Secondary School, Kongorppilly (22/08/2022), Little Flower Lower Primary School, Olanad (19/08/2022), Govt. U. P. S. Chirakkakam (17/08/2022) and Infant Jesus L. P. School, Thundathumkadavu (20/08/2022) as part of her research programme. Around 300 students benefited from the activity.

Phone : 251221

HOLY INFANTS' BOYS' HIGH SCHOOL

VARAPUZHA P. O.-683 517

No.

Date

From Manager / Headmistress

To

To

The Department of Botany
Union Christian College
Aluva

Sir

Miss Teena Joseph, Research scholar, Department of Botany, Union Christian College, as part of her research of her Research programme took an awareness programme on Conservation Strategies of medical plant in our institution on 17/08/2022. The class was very useful and her performance was excellent.

Yours faithfully

H.L.B.H.S. EDAMPADAM
TEACHER IN-CHARGE
H.L.B.H.S. EDAMPADAM
VARAPUZHA-683 517



GOVT HIGHER SECONDARY SCHOOL KONGORPILLY

Kongorppilly p o, Pin 683518, Aluva Edn. Dist. Phone: 04842515505

E mail ID: ghs14kongorppilly@gmail.com School Code: 25104

To,

The Department of Botany
Union Christian College
Aluva.

Sir,

Mrs. Teema Joseph, Research scholar, Department of Botany, Union Christian College Aluva, as a part of her research programme she took an awareness program on the conservation strategies of medicinal plants in our institution. It is very useful to our students. Thank you for the same.

Kongorppilly

22/08/2022



Yours faithfully

Prakash K B

PRAKASH K B 22/8/22
HEADMASTER

PEN: 280676

GHSS KONGORPILLY

GEN. EDUCATION DEPT



ST. GEORGE'S HIGHER SECONDARY SCHOOL

PUTHENPALLY, VARAPUZHA – 683517

Phone : 9947552580

E – Mail : stgeorgehsputhenpally@gmail.com

No.

Date : 16-08-2022.

To
The Department of Botany
Union Christian College
Aluva.

Sir,

Mrs. Teema Joseph, Research Scholar,
Department of Botany, Union Christian College
Aluva, as a part of her research programme
she took an awareness programme on the
conservation strategies of medicinal plants
in our institution. It is very useful to
our students. Thank you for the same.

Yours faithfully,



Theresa Bindu
THERESA BINDU P.C.
PEN : 650914
Headmistress
St. George's HSS
Puthenpally,
Varapuzha-683 517



LITTLE FLOWER LOWER PRIMARY SCHOOL

OLANAD, VARAPUZHA P. O. PIN - 683 517

No.

Date19-8-2022

From

The Headmistress / Manager

To

The Department of Botany
Union Christian College
Aluva

Respected sir,

Mrs. Teena Joseph, Research Scholar
Department of Botany, Union Christian College
Aluva, as a part of her research Programme.
She took an awareness class on the conservation
strategies of medicinal plants in our school.
She also distributed some medicinal plants for our
institution. The awareness class is very useful to our
students.

Yours Faithfully



Mini V.P.
MINI.V. P. VITHAYATHIL
Headmistress
Little Flower L.P.S.
Olanad, Varapuzha



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No. & Date : 17/8/2022

To,
The Department of Botany
Union Christian College
Aluva

OFFICE OF THE HEADMASTER
GOVT. U.P.S. CHIRAKKAKAM
VARAPUZHA - 683517
ALUVA - Sub District
ERNAKULAM
Ph : 0484 - 2516785
Email: gupschirakkakam@gmail.com
School Code- 25249
U DISE Code- 32080100201

Respected Sir,

Sub :- Awareness programme on the conservation
Strategies of medicinal plants
Ref :-

Mrs Teema Joseph, Research Scholar,
Department of Botany, union christian college Aluva,
as part of her research programme she took an
awareness programme on the conservation strategies
of medicinal plants in our institution and provided
some medicinal plants to our herbal garden. It is
very useful to our students.

Thank You.



(Signature)
HEADMASTER
Govt. U.P.S. Chirakkakam
Varapuzha - 683517



INFANT JESUS L.P. SCHOOL

THUNDATHUMKADAVU

VARAPUZHA P.O., PIN - 683 517

No :

Date. 20-8-22

From

The Headmistress

ആഗ്രഹിച്ചിരുന്ന U.C കോളേജ് Ph.D വിദ്യാർത്ഥിനിയായ Mrs. Teema Joseph അമ്മയുടെ, അർദ്ധം ജീവൻ പോയിട്ടുള്ള കുട്ടികൾക്ക് ആശ്ചര്യപ്പെട്ടിട്ടുള്ള ബോധവൽക്കരണ ക്ലിപ്പ് power point പ്രയോജനപ്പെടുത്തി നിലവിലുള്ള ചിത്രങ്ങൾ കണ്ടിട്ടുള്ളതും നടത്തേണ്ടതായിരിക്കും. ചിത്രങ്ങൾ ഉപയോഗിച്ച് ആവശ്യമായ സഹായം നൽകിയിരിക്കുന്നു. ക്ലിപ്പ് വിതരണപ്രകാരം ആവശ്യപ്പെടുന്നതിനും



Handwritten signature

HEADMISTRESS
Infant Jesus L. P. School
Thundathumkadavu



ACTIVITY 3: TEACHERS TRAINING PROGRAMMES

(a) Higher Secondary School Teacher Transformation Programme

- Refresher Course in English

Date: 20/01/2023 – 29/01/2023

Report: The Directorate of General Education in association with the Department of Collegiate Education conducted a 10-day training programme, “Higher Secondary School Teacher Transformation Programme” (HSSTTP), for the English teachers of the Higher Secondary Schools in Kerala at Union Christian College, Aluva from 20-29 January 2023. The programme was coordinated by Shri. Alwin Alexander, Assistant Professor, Department of English, Union Christian College, Aluva (College Coordinator) and Shri. Josepet Jacob, HSST, GHSS, Kuttamassery (HSST Coordinator). 39 teachers from all over Kerala participated in this residential programme.





- **Refresher course in Biology**

Date: 9/12/2022 – 18/12/ 2022

Report: A 10 day refresher course in Biology for Higher Secondary School Teachers was conducted by Directorate of General Education in association with Department of Collegiate Education and Department of Botany, Union Christian College, Aluva from 9-18 December 2022. The programme was coordinated by Dr. M. Anilkumar, Head of the Department. The course covers interactive sessions on the recent developments in biological sciences along with practicals.





- **Refresher Course in Malayalam**

Date: 26/09/2019 – 05/10/2019

Report: The department of Malayalam, Union Christian College, Aluva in association with SCERT, Government of Kerala conducted a 10 day Residential Refresher Course for Higher Secondary School Malayalam Teachers from 26 September 2019 to 5 October 2019 at our campus. District HSS coordinator Smt. Nalinakumari has inaugurated the programme. Principal Dr. David Saj Mathew presided over the meeting. Dr. M.I. Punnoose, Shri. P. K. Manisankar, Smt. Geethukumari and Shri. H. K. Santhosh addressed the gathering.

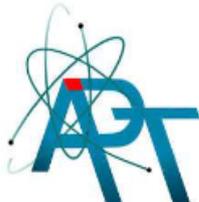




(b) Workshop for College Teachers in Physics

Date: 19/10/2019 – 20/10/2019

Report: Department of Physics, Union Christian College Aluva in collaboration with Academy of Physics Teachers (APT) organized a workshop series for College Teachers in fundamental topics. The fourth in the series of statistical mechanics is 'Canonical Partition Function and Applications' was conducted at the Department of Physics from 19 - 20 October 2019. 27 teachers participated in the workshop.



CANONICAL PARTITION FUNCTION AND APPLICATIONS

Two day residential workshop for College teachers in physics



Department of Physics Union Christian College Aluva in collaboration with Academy of Physics Teachers (APT) is organizing a workshop series for College teachers in fundamental topics. The 4th in the series of statistical mechanics is *Canonical Partition Function and Applications* will be conducted at Department of Physics for 2 days.

Dr. S V M Satyanarayana,
Pondicherry University

19 – 20 October 2019
Union Christian College, Aluva

OUTLINE OF LECTURES

DAY 1
Lecture – 1 : Formalism of Canonical Ensemble

Lecture – 2 : Ideal Gas and Harmonic Oscillators in Canonical Ensemble (Einstein Theory of Specific Heat of Crystalline Solids)

Tutorial – 1

DAY 2
Lecture – 3 : Langevin and Brillouin Theory of Paramagnetism

Tutorial – 2

Lecture – 4 : Thermodynamics of Magnetic Systems : Negative Temperature

Tutorial – 3

Local Organiser
Reshmi R
Dept of Physics
UC College Aluva



(c) Vocational Training on Innovative Pedagogies for Teachers

Date: 10/04/2023 – 12/04/2023

Report: School of Management studies, Union Christian College, Aluva hosted 3 days International Workshop ‘Vocational Training on Innovative Pedagogies for Teachers’ of EDUREFORM Project Co-funded by the Erasmus+ project of European Commission as part of collaboration with CXS Solutions India PVT Ltd. from 10–12 April 2023. The participants were 60 teachers from CBSE schools around the college.



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NAAC Re-Accredited with A Grade in 4th Cycle (CGPA 3.45)

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SSR
5th CYCLE
2023



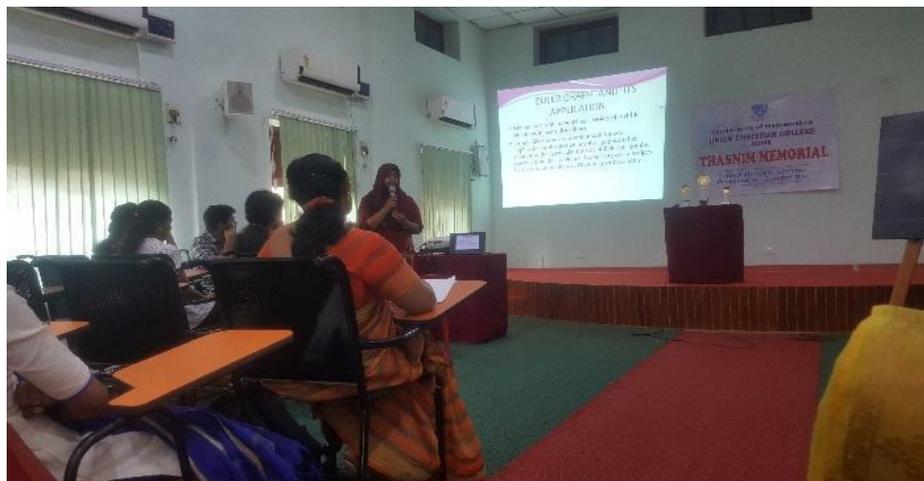


ACTIVITY 4: PROGRAMMES CONDUCTED FOR THE BENEFIT OF COLLEGE STUDENTS

- (a) Thasnim memorial inter-collegiate seminar presentation competition in Mathematics
- Seminar presentation competition 2018

Date: 27/10/2018

Report: Department of Mathematics conducted Fifth Thasnim Memorial Inter Collegiate Seminar Presentation Competition was held on 27 October 2018. Fifteen students from various colleges participated.





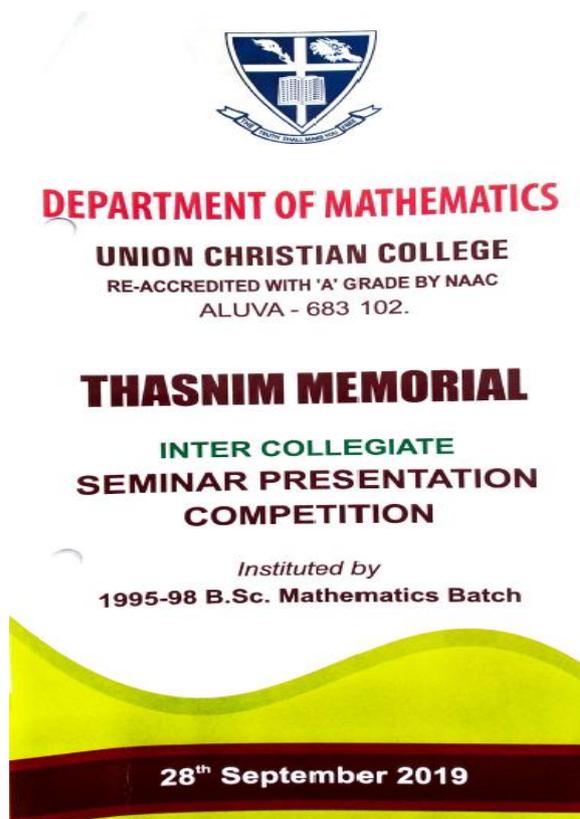
Following students bagged the prizes.

| Position | Name | College |
|----------|-----------------------|----------------------------------|
| First | Ruben Philip Varghese | CMS College, Kottayam |
| Second | Divya R Prabhu | KKTM Govt. College, Pullut |
| Third | Devika Balakrishnan | St. Paul's College, Kalamasserry |

- **Seminar presentation competition 2019**

Date: 28/09/22

Report: Department of Mathematics conducted Sixth Thasnim Memorial Inter Collegiate Seminar Presentation competition on 28 September 2019 at 10.00 am in Mathematics Computer Lab. Thirteen students from various colleges participated.



Following students bagged the prizes.

| Position | Name | College |
|----------|-----------------------|----------------------------------|
| First | Ruben Philip Varghese | CMS College, Kottayam |
| Second | Ansalit Poulose | S.H. College, Chalakkudy |
| Third | Meera P. | St. Paul's College, Kalamasserry |

- **Seminar presentation competition 2022**

Date: 22/10/2022

Report: Department of Mathematics, Union Christian College, Aluva conducted Seventh Thasnim Memorial Inter Collegiate Seminar Presentation Competition on 22 October 2022 at 1:00 pm in T B Ninan Hall.



DEPARTMENT OF MATHEMATICS
UNION CHRISTIAN COLLEGE
ALUVA-683102

THASNIM MEMORIAL

INTER COLLEGE
SEMINAR PRESENTATION
COMPETITION

Instituted by

1995-98 B.Sc Mathematics Batch

22 October, 2022

Dear Sir/Madam

We gladly welcome the participation of students from your respective institution for the sixth Thasnim Memorial Intercollegiate Seminar Presentation competition, which is to be conducted at Union Christian college Aluva on 22nd October 2022. This competition aims at enhancing the abilities of students of mathematics in paper presentations. The competition was established by the 1995-1998 B.Sc Mathematics Batch, in the loving memory of their classmate, Late Ms Thasnim .H. The winners will be awarded with cash prizes and trophies. All participants shall receive certificate of participation.

Rules for the competition

- 1.This is an individual event for Mathematics Students (UG&PG) . However , a college can sent two students from their college for the competition , with letter of identity from the Head of the department .
- 2.The competition is of 8 minutes duration . Any relevant topic can be selected by the participants . Power point presentations are allowed with the number of slides restricted to a maximum of 10 . The marks will be decided by a panel of judges, based on the nature of the topic, presentation skills and transmission of ideas.
- 3.The competition will commence at 1.00pm on 22nd October, 2022. Registration of participants will start by 12.00 noon .
- 4.There will be a registration fee of Rs100/- per participant .
- 5.Confirm your participation on or before 22nd October ,2022.

First prize: Rs 3000/-
Second prize: Rs1500/-

For more details
contact:

MR.Eldo Varghese
Assistant Professor
Mathematics Department
Phone: 9495128909

Ms.Ziana .N. Muhammed
Secretary
Mathematics Association
Mob: 9747131511



Following students bagged the prizes:

| Position | Name | College |
|----------|-------------------------|---------------------------------|
| First | Ms. Navya Unni | St. Terasa's College |
| Second | Mr. Ronal Thomas | St. Stephen's College, Uzhavoor |
| Third | Ms. Ann Susan Gregory T | St. Terasa's College |

(b) Inter collegiate project competition and expo – IDEATE

- IDEATE -2K20

Date: 10/03/2020

Report: To showcase the innovative ideas of students, Department of Electronics & Computer Maintenance organized Inter Collegiate Project Competition and Expo – IDEATE 2K20 on 10 March 2020. 15 student's groups participated in the competition and the student groups exhibited the working models to academicians, guests and judges. Winners were awarded with cash prizes and certificates.



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UNION CHRISTIAN COLLEGE , ALUVA , KERALA
(Re-accredited with 'A' Grade By NAAC)
DEPARTMENT OF ELECTRONICS AND COMPUTER MAINTENANCE

IDEATE 2K20

10th MARCH 2020
INTER COLLEGIATE PROJECT COMPETITION & EXPO

FIRST PRIZE : 1.5 K
SECOND PRIZE : 1 K

REPORTING TIME : 9.30 am
Venue : CP Mathew Memorial Block

For Further Details
Mr.Akhil TV (HOD) : 9349405871
Mr.Ajan P J : 9441814732
Mr.Lijo Thomas : 9745694664

Department Of Electronics & Computer Maintenance
Union Christian College , Aluva , kerala -683102
ph : 0484-2609194
e-mail : cmeucc@gmail.com
<https://compuermaintenanceandelectronics.uccollege.edu.in>





IDEATE 2K20

DEPARTMENT OF ELECTRONICS & COMPUTER MAINTENANCE
UNION CHRISTIAN COLLEGE, ALUVA

Prize Distribution List

Date:10/3/2020

1st Prize: Rs 1500/- & Certificate

| Sl.No. | Team Members | Project Title | College |
|--------|--------------|---------------|-------------|
| 1 | ATHULRAJ | CNC PLOTTER | U C , ALUVA |
| 2 | ATHUL VALSAN | | |
| 3 | ASHIK JOHNY | | |
| 4 | AMITH THOMAS | | |

2nd Prize: Rs 1000/- & Certificate

| | | | |
|---|-------------|---|--------------------|
| 5 | HITHA E L | SMART INTELLIGENT WEARABLE DEVICE FOR WOMEN SECURITY | MES, MARAMPALLY |
| 6 | AKSHARA K P | | |
| 7 | PRANAV K | | |

3rd Prize: Rs 500/- & Certificate

| | | | |
|---|--------------------|--------------------------------|----------------------|
| 8 | ABEL JACOB GEORGE | IoT BASED SMART POWER METER | AQUINAS ,EDAKOCHI |
| 9 | EMIL GEORGE MATHEW | | |

• IDEATE2 -2K22

Date: 22/03/2022

Report: To showcase the innovative ideas of students, Department of Electronics & Computer Maintenance organized Inter Collegiate Project Competition and Expo – IDEATE2 2K22 on 22 March 2022. 14 students’ groups participated in the competition and the student groups exhibited the working models to academicians, guests and judges. Winners were awarded with cash prizes and certificates.

UNION CHRISTIAN COLLEGE, ALUVA, KERALA
(Re-accredited with 'A' Grade by NAAC)
DEPARTMENT OF ELECTRONICS AND COMPUTER MAINTENANCE

IDEATE - 2

22nd MARCH 2022
INTER COLLEGIATE PROJECT COMPETITION & EXPO

**First Prize: 1.5K
Second Prize: 1 K**

**Reporting Time : 9.30 AM
Venue: C P Mathew Memorial Block**

For Further Details:
Mr. Akhil T V (HOD) : 9349405871
Mr. Ajan P J : 9441814732
Mr. Lijo Thomas : 9745694664

Department of Electronics & Computer Maintenance
Union Christian College, Aluva, Kerala-683102
Ph: 0484-2609194
e-mail: cmeucc@gmail.com
<https://computermaintenanceandelectronics.uccollege.edu.in>
<https://www.facebook.com/cme.ucc>



(c) Botanical Garden visit

Date: March – April 2023

Report: Students from Chemists College of Pharmaceutical Sciences & Research visited UCC Herbarium for medicinal plant identification and visited Botanical Garden for plant study during March - April 2023. Three sets of medicinal raw drug samples were identified and certificates issued for the use of pharmaceutical research by 12 students in the Chemists College of Pharmaceutical Sciences & Research.



 **Chemists College of Pharmaceutical Sciences & Research**
Approved by Pharmacy Council of India, New Delhi & Recognized by Govt. of Kerala.
Affiliated to Kerala University of Health Sciences, Thrissur & DME Thiruvananthapuram.
Managed by Chemists & Druggists Educational Society, Kerala: Reg.No.622/81

CCPSR./STC/2023
Dated: 24/04/2023

To,

The Principal
UC College
Aluva,
Ernakulam.

Subject: - *Project for 8th Semester B Pharm students.*

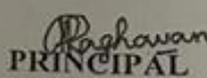
Respected Sir,

The Chemists College of Pharmaceutical Sciences and Research, Varikoli, Ernakulam, Kerala is conducting four year degree course in B Pharm. As part of the course curriculum the eighth semester B Pharm students are requested to undergo a project work. As a part of their work it is important to identify the plant species.

Name of the students: ARYA RAJAN, APARNA PRATHAPAN, ANJALY SUBIASH, CELIN SANDRA, VISHNUPRIYA P J

Kindly consider our request and please do the needful .

Thanking You
Yours sincerely


PRINCIPAL



Prof. Dr. C. VIJAYA RAGHAVAN
PRINCIPAL
CHEMISTS COLLEGE OF PHARMACEUTICAL
SCIENCES AND RESEARCH, VARIKOLI
ERNAKULAM - 682 308

*Oil
Certificate issued on
26/04/2023*



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2023

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(Affiliated to Mahatma Gandhi University, Kottayam, Kerala)
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Aluva - 683 102, Ernakulam Dist., Kerala. Ph: +91 484 2609194, 7012626868
Email: ucc@uccollege.edu.in Website: www.uccollege.edu.in
Celebrating 100 Years of Meritorious Service



No. UCC/Bot/H/03/2023 Date: April 26, 2023

To

Arya Rajan, Aparna Prathapan, Anjaly Subhash, Celin Sandra and Vishnupriya P J,
8th Semester B Pharm students,
Chemists College of Pharmaceutical Science and Research,
Varikoli, Ernakulam District. 682308.

Sub: Identification of live specimen produced against request.

Sir/Madam

Received your letter dated April 24, 2023 and the live specimen produced for identification. On the basis of the examination on the morphologic, anatomic and reproductive features of the specimen and the cross examination with the herbarium deposits of the Union Christian College, Herbaria and the literature scrutiny it is identified that the specimen produced for identification is as follows

Updated Binomial

Psidium guajava L.

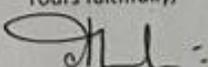
First published in Sp. P. 470 (1753)

Common Name : Guava

Local Name: Perakka

Received Certificate.

1. Anjaly Subhash
2. Vishnupriya P-J
3. Aparna Prathapan
4. Arya Rajan
5. Celin Sandra

Yours faithfully,

Dr. Justin R. Nayagam
Assistant Professor
Department of Botany
Union Christian College
Aluva - 2, Kerala - 683 102





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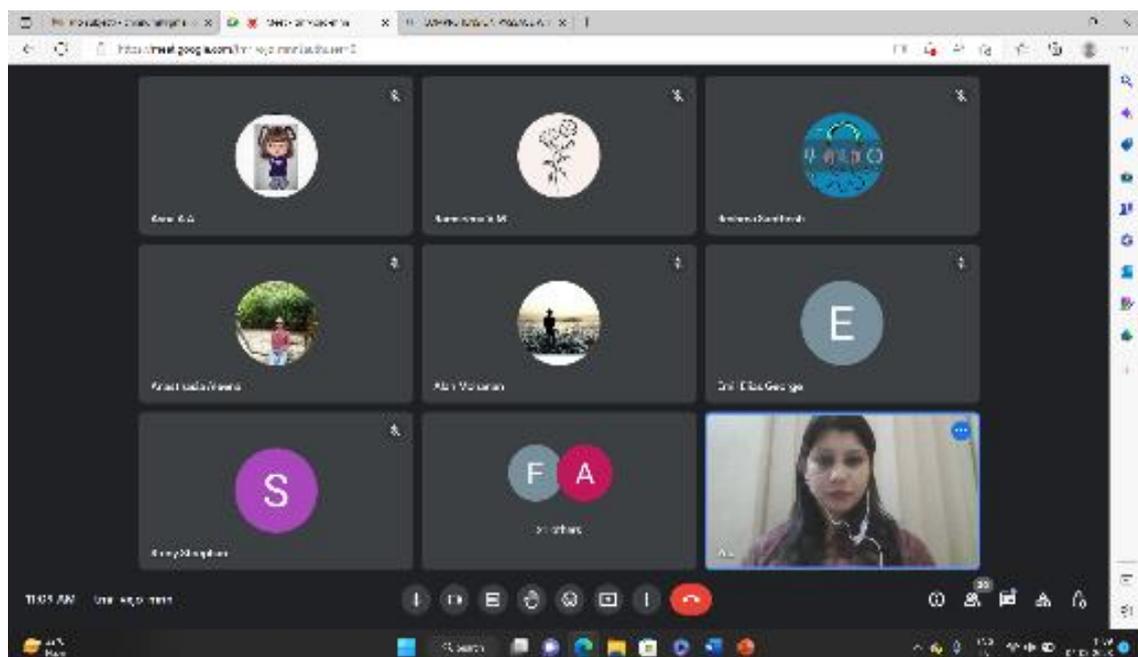
SSR
5th CYCLE
2023





- **KMAT coaching**

To prepare the MBA aspirants to crack the KMAT Entrance exam, School of Management Studies has organised KMAT coaching every year since 2018. The duration of the programme was one week and resource persons were MBA Faculty members. The program includes four sessions: English Language and Reading Comprehension, Quantitative Aptitude, Data Sufficiency & Logical Reasoning, and General Knowledge & Contemporary Business Scenario. Helped the students to prepare well and crack the entrance exam. It also provided an opening for students to acquire MBA admission in Union Christian College. About 100 students from and outside the college are benefitted by the programme.





(d) Webinars

- Webinar on 'Youth Engagement for Global Action'

Date: 12/08/2020

Report: As a part of the International Youth Day celebrations, NSS Unit No. 52 conducted "RESILIENCE", an online webinar on "Youth Engagement for Global Action" on 12 August. Ms. Divya G S, Research Scholar, TISS, Mumbai was the resource person. The webinar was conducted on Google Meet platform. NSS volunteers of the college actively participated in the webinar. A total of 141 students from various colleges participated in the webinar.

UNION CHRISTIAN COLLEGE ALUVA
National Service Scheme
Unit No. 52
presents

RESILIENCE
Celebrating International Youth Day 2020

Webinar on
"YOUTH ENGAGEMENT FOR GLOBAL ACTION"
@Google Meet

Registration Link:
https://docs.google.com/forms/d/e/1FAIpQLScFUKDu8o-97kZQApOihcvBRXn_11dP_bUJera_QyezyWJBBAG/viewForm

12 August 2020
TIME : 6:00PM-7:00PM

CONTACT US
Dr. Neethumol Varghese
Ph No.: 9744192551
Dr. Pramod Dominic
Ph No. : 8281416766

E-certificate will be provided



- Webinar on ‘Systematic Voter’s Education and Electoral Participation (SVEEP)’

Date: 22/03/2021

Report: NSS and NCC units of Union Christian College in collaboration with District Administration, Ernakulam and Government of India Field Outreach Bureau, Ernakulam organized a webinar on Systematic Voter’s Education and Electoral Participation (SVEEP) on 22 March 2021 on Google Meet platform. The webinar was conducted prior to the Kerala Legislative Assembly Elections. Smt. Beena P Anand, Tahsildar (LR) & Assistant Nodal Officer, SVEEP Programme was the resource person. Sri L G Ponnumon, Field Exhibition Officer, Field Outreach Bureau, Ernakulam; Smt. K A Beena, Deputy Director, Regional Outreach Bureau, Kerala Lakshadweep region, NSS Programme Officers, NCC cadets and NSS volunteers were part of the program. The session turned to be very effective as the resource person talked about the significance of being a part of the democratic process and cleared all the doubts raised by the participants.



Union Christian College, Aluva
National Service Scheme
&
National Cadet Corps

In collaboration with

District Administration
&
Govt of India Field Outreach Bureau

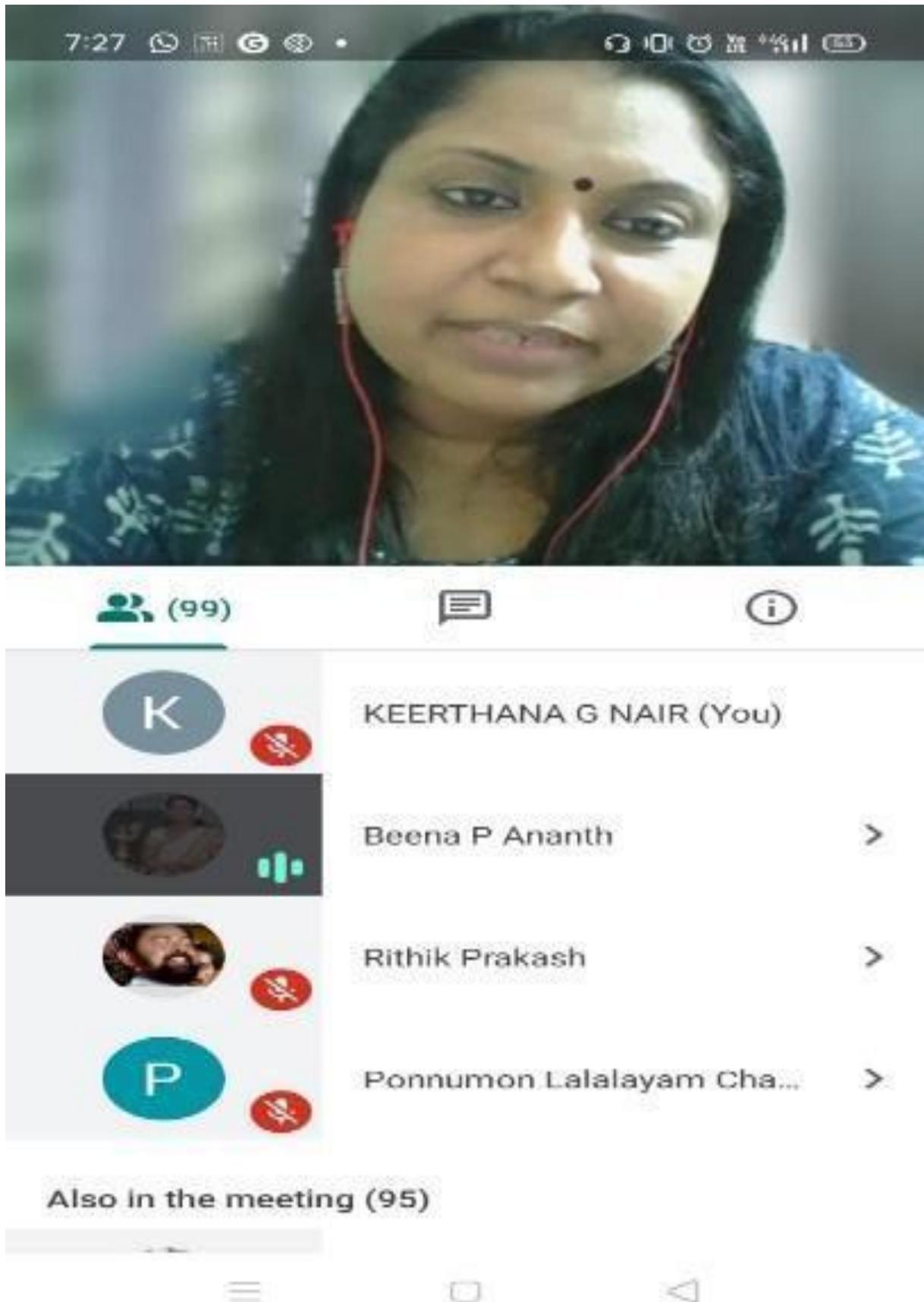


WEBINAR
22 March 2021, 7 PM
Platform : Google Meet



Smt. Beena P Anand
Tahsildar (LR) &
Asst. Nodal Officer
SVEEP Programme
Ernakulam







ACTIVITY 5: PROJECTS

(a) Mark List Generation and Grading System

The third year B. Sc. Computer Science student of batch 2018-2021, has developed a software “Mark List Generation and Grading System” for D D Sabha High School, Karimpadam, Chendamangalam, as part of their academic project on 18.02.2021.





REPORT CARD

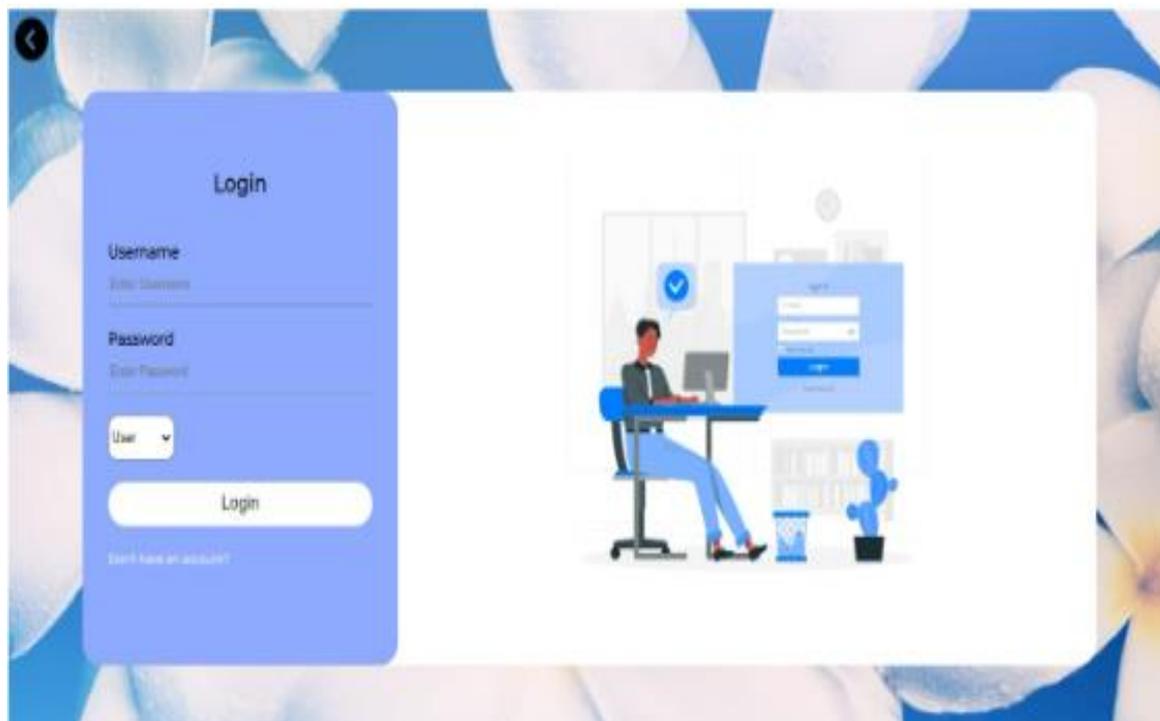
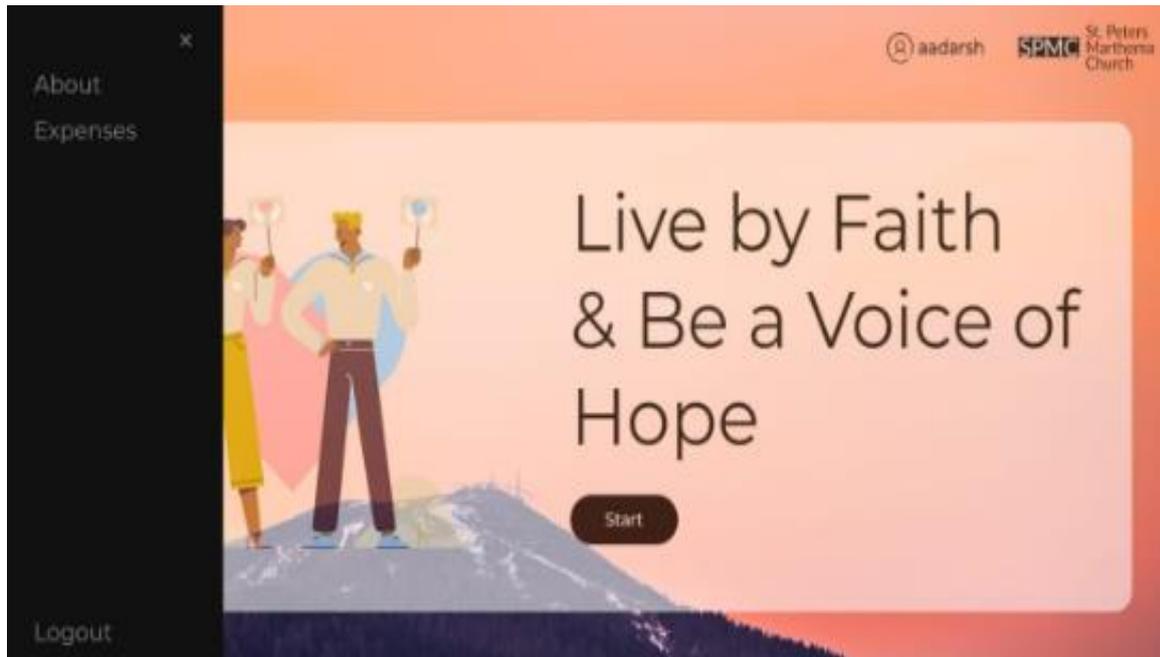
Student No: 11
Name:
Class: 11A
Gender:
Address:
Serial No: 373

| Subject | Term 1 | | Term 2 | | TE | | CE | | Dist |
|------------|----------------|-----------|----------------|-----------|----------------|-----------|----------------|-----------|------|
| | Score obtained | Max score | |
| English I | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | |
| English II | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | |
| Math | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | |
| Math | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | |
| Music | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | |
| Geography | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | |
| History | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | |
| Art | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | |
| IT | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | |

principal's signature: _____ parent's signature: _____

- **Church Management System**

The third year B. Sc. Computer Science student of batch 2020-2023, has developed a software 'Church Management System' for St. Peter's Marthoma Church, U. C. College P O in April 2023.



- **Study on ‘Awareness and Utilization of Various Government Schemes’**

This was an extension, where the students from Department of Economics studied on ‘Awareness and utilization of various government schemes’ in Alangad Panchayat. They presented the report of the same to Alangad Panchayat President on 24 May 2023.



- **Study on ‘Prevalence of Lifestyle Diseases’**

This was an extension, where the students from Department of Economics studied on ‘Prevalence of lifestyle diseases’ in Karumalloor Panchayat. They presented the report of the same to Karumalloor Panchayat President on 24 May 2023.



ACTIVITY 6: KADHAKALI ART WORKSHOP

Date: 12/08/2022

Report: A “Kadhakali” art workshop and performance was conducted by the Department of Malayalam for the students, teachers and public in connection with centenary activities on 12 August 2022 at MCA seminar hall.



SPIC  MACAY

മലയാള വിഭാഗം
യൂണിയൻ ക്രിസ്ത്യൻ കോളേജ്
ആലുവ

കുചേലവൃത്തം ആട്ടക്കഥയുടെ രംഗാവതരണവും കഥകളി ആസ്വാദനക്കളരിയും

ആലുവ യൂണിയൻ ക്രിസ്ത്യൻ കോളേജിന്റെ ശതാബ്ദിയാഘോഷങ്ങളുടെ ഭാഗമായി കോളേജ് മലയാളവിഭാഗം സ്പിക്മാകേയ്യുമായി ചേർന്ന് വിദ്യാർത്ഥികൾക്കും അധ്യാപകർക്കും പൊതുജനങ്ങൾക്കുമായി ഒരു കഥകളിയാസ്വാദനക്കളരിയും തുടർന്ന് കുചേലവൃത്തം ആട്ടക്കഥയുടെ രംഗാവതരണവും നടത്തുന്നു. 2022 ആഗസ്റ്റ് 12 വെള്ളിയാഴ്ച രാവിലെ 9.30ന് നടക്കുന്ന പരിപാടിയിലേക്ക് കഥകളിയെപ്പറ്റി അറിയാനും കഥകളി ആസ്വദിക്കാനും താൽപ്പര്യമുള്ള എല്ലാവരെയും സ്വാഗതം ചെയ്യുന്നു.

ഉദ്ഘാടനം രാവിലെ 9.30ന്

എം. സി. എ. സെമിനാർ ഹാൾ
യൂണിയൻ ക്രിസ്ത്യൻ കോളേജ്, ആലുവ

കഥകളി പരിചയം

കൂടുതൽ അറിയാനും : രഞ്ജിനി സുരേഷ്

11 മണി മുതൽ

കുചേലവൃത്തം ആട്ടക്കഥ- രംഗാവതരണം

StylDesigns

