

Best practices for the year 2020-21

- I. Antimicrobial Microbial Resistance (AMR) Awareness club**
- II. Rewarding the academic toppers by College cooperative society and teachers**
- III. Student contact programme on a one-to-one basis during lockdown**

I. Antimicrobial Microbial Resistance (AMR) Awareness club

1. Title of the Practice: Antimicrobial Microbial Resistance (AMR) Awareness club

2. Objectives of the Practice

Antibiotic Stewardship and Prevention of Infection Club (ASPIC)- Yuvaraja's College chapter was established on 5th August 2021. As per Centers for Disease Control and Prevention (CDC) data, antibiotic-resistant bacteria and antimicrobial-resistant fungi cause more than 2.8 million infections and 35,000 deaths a year in the United States alone. This alarming situation is due to lack of awareness on the use of antibiotics for infectious diseases among humans. Thus, awareness programs in educational institutes are the need of the hour. Hence the ASPIC club- Yuvaraja's College Chapter was established in the college.

3. The Context

The outbreak of Pandemic and its severity as an infectious disease, we thought some or the other way we have to create awareness on such problems. One of the outstanding issues which the general public neglect is proper use of antibiotics. Thus, we felt that an awareness activity in the college is need of the hour. Our students came across the existence of a club which is exclusively addressing such issues.

The idea of Antibiotic Stewardship and Prevention of Infection in Communities (ASPIC) Clubs Network is to promote a public cause and create social awareness among community on anti-microbial resistance through different modes. More details about the ASPIC Clubs Network, Kerala can be found here: (<https://www.aspic.in/about-aspic>). The club's activities are coordinated by ReAct Asia Pacific is headquartered at the Christian Medical College, Vellore, Tamil Nadu (<https://www.aspic.in/react-asia-pacific>) which is a division of the ReAct Network (<https://www.reactgroup.org/>) stationed at the University of Uppsala, Sweden. With an interest to promote awareness, students of Yuvaraja's College have taken the initiative to start a wing of the ASPIC club at Yuvaraja's College. This platform is promoting awareness in the field of anti-microbial resistance and its impact on us.

4. The Practice

Since the club was established during the Lockdown period, many online programs were carried out to reach the students and general public. Series of programs were held to bring awareness among the students and general public. Initially the establishment of the club itself was made as an awareness platform during which Dr. M N Sumana, Department of Microbiology, Professor, Department of Microbiology, JSS Medical College, JSS Academy of Higher Education and Research, Mysuru spoke on Antimicrobial Resistance - A Ticking Time Bomb attended by 120 people online. On 6th October 2020 Can I help in the prevention of Antimicrobial Resistance (AMR) by Dr. Anuradha K which was attended by 70 people online. During October to November 2020: Student's Poster Presentation Competition on Antibiotic Resistance was held with 21 entries all over Karnataka. Prizes were given to both Post Graduate and Undergraduate Category. The prize-winning posters are available in the website of ASPIC club-YCM Chapter. World antimicrobial awareness week -2020 during November 18th to 24th, 2020 was celebrated with 7 posts for 7 days. On 21st November another awareness lecture was arranged with the title "Ayurveda: A strengthening Key to Lower Sepsis and Microbial Resistance" by Vaidya Prof. T. R. Shanthala Priyadarshini attended by 90 people online. On 24th November 2020 online discussion was held with Team iGEM IISER Tirupathi where students of Yuvaraja's College had online interaction with Project prize winning team of IISER students who did project on antimicrobial resistance in subclinical bovine mastitis. Podcast series were carried out where COVID-19 & Public Engagement was carried out. Three doctors from different institutes were involved these podcasts are available in YouTube. To brief about the podcasts, Dr. Karunasagar from Medical college, NITTE, Mangalore spoke on COVID-19 and SARS CoV-2 Variants, Dr. Anusha Rohit, Senior Consultant and Microbiology dept, Madras spoke on COVID-19 -antibiotics and AMR, Dr. Raksha K Bhat, Consultant and Microbiologist, St. Marthas Hospital, Bangalore spoke on Mucoromycosis. All these are coordinated by students. On 21st July 2021 students launched Local language version of the animation video on "fight Antibiotic Resistance" in conversation with superheroes against Superbugs. This activity is very much useful in bringing innovative ideas to tackle the real-life problems namely public health and is useful in students undergoing training in higher education. The activity is mainly planned and executed by students. Since it was pandemic period live contact was not possible. However, this was an opportunity too to contact many people and opened up a new approach of organising many educational activities by students.

5. Evidence of Success

More than 500 students of the college got involved in the program directly and indirectly. This created an awareness in the minds of students regarding Antibiotic resistance development and now they have become the ambassadors for spreading the awareness in their surroundings. ReAct Asia Pacific coordinators have expressed satisfaction on ASPIC YCM chapter activities.

6. Problems Encountered and Resources Required

Since it was pandemic period, offline awareness program could not be conducted. Small amount of money was given to students for conducting the program by ASPIC center to the students. However if the funding is more, we can think of widening the activity to reach more people by the way of brochures, arranging competition and giving attractive prizes.

II. Rewarding the academic toppers by college cooperative society and teachers

1. Title of the Practice: Rewarding the academic toppers by College cooperative society and teachers

2.Objectives of the practice: Academic toppers of the college are the torchbearers for the next generation of students and they usually make a mark in the minds of their junior batch of students. Toppers are the ones who are usually hardworking, dedicated, intelligent and motivated students. The concept of the word intelligence can show result only when the students are motivated. It is found out that those who are considered as average students when motivated can express their intelligence and can become academic toppers and performers.

3.Context: Since our college is a constituent college of University of Mysore, many of the medals and cash prizes were instituted in University of Mysore. Only few endowment prizes were exclusively instituted at our college level and they were distributed during the college day functions. Since 2005-06, our college became autonomous and college has been giving gold medals to the academic toppers in the graduation ceremony, in addition to the few more endowment prizes. Uniqueness of honouring the students by money donated by the current teachers both regular and temporary during graduation day ceremony is started in the college recently and this is definitely a good practice showcased by our dedicated teachers during 2020-21 graduation day ceremony. College runs a cooperative society. The society also joined hand to honor star students to strengthen this good practice.

4.The practice: 8 gold medals and 36 cash endowment cash prizes were given to 42 academic toppers. In addition to this, 17 cash prizes given by group of teachers of the departments and individual teachers. All 15 UG toppers of different subjects were honored with cash prizes given by cooperative Society of the college. Details are given below:

PG and UG Gold Medal Students LIST

Candidates received Gold Medal / Endowment / Cash prize/ Rank Certificate on the occasion of Eighth graduation day celebration on 8th Feb 2022 to the students of **2020-21 passed students** in the Platinum Jubilee Auditorium Yuvaraja's College, Mysuru.

Sl.No.	Name of the Student	Details of the Endowments cash prizes / cash prizes given by department faculty/individual faculty
01	Nitheesh A S YBO18216	<ul style="list-style-type: none">• Gold Medal for First rank in M.Sc. Botany• Cash Prize Sponsored by Dr.M.K.Mahesh, Dept. of Botany, YCM. in Memory of Smt. V.Bhagyalakshmi and B.Kapanaiah.• Late. Prof. H.N.Chamaiah, Memorial Cash Prize.
02	Keerthana V	<ul style="list-style-type: none">• Second Rank
03	Harshitha G S	<ul style="list-style-type: none">• Third Rank

04	SHIVARAJ M YCH18240	<ul style="list-style-type: none"> • Gold Medal for First Rank in M.Sc. Chemistry • Smt.Neelamma Kariyappa G .Yalakkappanahatti Cash Prize Sponsored by Dr.Ajay Kumar K, Dept. of Chemistry, YCM.
05	Sadana C G YCH18233	<ul style="list-style-type: none"> • Smt.Neelamma Kariyappa.G.Yalakkappanahatti Cash Prize for Second Rank in M.Sc. Chemistry:- Sponsored by Dr. K. Ajay Kumar, Dept. of Chemistry, YCM
06	Sushma R	<ul style="list-style-type: none"> • Third Rank
07	Madhusudan S YFN18212	<ul style="list-style-type: none"> • Prof. Jamuna Prakash Gold Medal for First Rank in M.Sc. Food Science and Nutrition Sponsored by Students of Prof. Jamuna Prakash. • Late Sri Gejjanalli Rama Naik and Late Smt.SakriBai Cash Prize for scoring highest marks in M.Sc., Food Science and Nutrition:- Sponsored by Dr. R. Shekhara Naik, YCM
08	Shilpa D	<ul style="list-style-type: none"> • Second Rank
09	Sheema Sfreeen Siddiqui	<ul style="list-style-type: none"> • Third Rank
10	GAYATRI P B YMA18211	<ul style="list-style-type: none"> • Gold Medal for First Rank M.Sc., Mathematics. • Sri.Late C Sathynarayana Memorial Cash Prize M.Sc. Mathematics Sponsored by Smt.Mohanamba w/o Sri. C. sathyanarayana. • Smt. Seetha Lakshmi Nagaraja Rao Memorial Cash Prize Sponsored by Dr.S. Latha, Dept. of Mathematics,YCM. • Cash Prize Sponsored by teaching faculty, Dept. of Mathematics, YCM.
11	Akash G S YMA18202	<ul style="list-style-type: none"> • Smt.Seethalakshmi Nagaraja Rao Memorial Cash Prize for Second Rank in M.Sc. Mathematics:- Sponsored by Dr. S. Latha, Rtd. Professor, Dept. of Mathematics, YCM. • Cash Prize for Scoring Highest Marks in Mathematics in all Semesters Sponsored by Teaching Faculty, Department of Mathematics, YCM.
12	Varsha S R	<ul style="list-style-type: none"> • Third Rank
13	MAHIMA L YMB15107	<ul style="list-style-type: none"> • Gold Medal for First Rank in M.Sc. Molecular Biology (5 year Integrated Course) • Neerkaje Saraswathi Memorial Cash Prize Sponsored by Dr.N.S.Devaki, Co-ordinator– 5 Year Integrated M.Sc. in Molecular Biology, YCM.
14	Shibani Bose YMB15116	<ul style="list-style-type: none"> • Second Rank in M.Sc. Molecular Biology (5 year Integrated Course) • NeerKaje Subraya Bhat Endowment Cash Prize Sponsored by Dr.N.S.Devaki. Co-ordinator. Dept. of Molecular Biology, YCM.
15	RAKESH H K YPH18230	<ul style="list-style-type: none"> • Gold Medal for First Rank in M.Sc. Physics • Prof. G.Ramachandran Cash Prize Sponsored by Dr.Swarnamala Sirsi, Dept. of Physics, YCM

16	Sushma S J YPH18236	<ul style="list-style-type: none"> • Late Sri.Madhusudan Sirsi Cash Prize for Second Rank in M.Sc. Physics:- Sponsored by Dr.SwarnamalaSirsi, Dept. of Physics, YCM
17	CAUVERY C V YEN182020	<ul style="list-style-type: none"> • Gold Medal for First Rank M.A. in English
18	Jayashree M R YMN18219	<ul style="list-style-type: none"> • Cash Prize Sponsored by Dr.C.Sumangala, Head of the Department, Management Science, YCM.
19	Jayaram N YMN18218	<ul style="list-style-type: none"> • Cash Prize for Second Rank in MBA:- Sponsored by Dept. of Management Science, YCM.
20	Shilpa B K	<ul style="list-style-type: none"> • Third Rank
21	Anantha N Rao YB171763	<ul style="list-style-type: none"> • Gold Medal for First Rank in B.Sc. and First place in Physical Science. • Cash Prize for Topper in B.Sc. Degree <ul style="list-style-type: none"> • Honble Sri.B.Rachaiiah(Ex-Governer Kerala) • Cash Prize sponsored by Dr.M.Rudraiah, Dept. of Geology, YCM. <p>Cash Prize for Scoring Highest Marks in Computer Science in all Semesters Sponsored by Prof. Annapurna H., Department of Computer Science, Yuvaraja's College, Mysuru.</p> <p>Cash Prize for Scoring highest marks in Mathematics in all semesters:- Sponsored by Late. Prof. L.N. Chakravarthi Rtd. Prof. Dept. of Mathematics, YCM.</p> <p>Smt. Kamamma and Narayanashetty Cash Prize:- Sponsored by Dr.H.N.Kanthalakshmi, Retired Professor of Mathematics, YCM.</p> <p>Cash Prize for Scoring Highest Marks in Mathematics in all Semesters, Teaching Faculty, Dept. of Mathematics, YCM.</p> <p>Cash Prize for Scoring Highest Marks in Physics in all Semesters Sponsored by Prof. T.N. Nagaraja Shetty, Rtd. Professor, Department of Physics</p> <p>Cash Prize for Scoring Highest Marks in Physics in all Semesters Sponsored by Late. Ambale Venkataram, Rtd. Professor, Department of Physics.</p> <p>Sri.Late C Sathynarayana Memorial Cash Prize B.Sc. Mathematics in all semesters Sponsored by Smt.Mohanamba w/o Sri. C. sathyanarayana.</p> <p>Cash Prize for Scoring Highest Marks in Physics in all Semesters Sponsored by Prof. T. Sadashivaiah, Department of Physics, YCM.</p>

22	Supraja M Kodanch YB171110	Tenth Rank in B.Sc., Banagi Kamalamma komarai gowda Jagadeesha Endowment Cash Prize sponsored by B.K.Jagadeesha, Rtd. Professor of Zoology, Y.C.M. (Natural Science) Gold Medal for First Place in Natural Science and Second Rank in B.Sc., Cash Prize for Scoring highest marks in Biochemistry in all Semesters:- Sponsored by Dr. J Rajesh, dept. of Biochemistry. Smt.Puttahindamma Subbaiah Cash Prize for scoring highest marks in Microbiology in all semesters:-Sponsored by Dr.S.Mahadevamurthy Dept. of Microbiology.YCM. Cash Prize Sponsored by Teaching Faculty, Department of Microbiology, YCM.
23	Sanjay Bharadwaj M R YB171446	Cash Prize for scoring highest marks in Zoology in all Semesters: Banagi Kamalamma komarai gowda Jagadeesha Endowment Cash Prize sponsored by B.K.Jagadeesha, Rtd. Professor of Zoology, Y.C.M. Cash Prize Sponsored by Prof. B S Vijayalakshmi, Rtd. Professor, Dept. of Zoology, YCM. Cash Prize Sponsored by Prof. N.Muniyappa Rtd. Professor Dept. of Zoology, YCM. Cash Prize Sponsored by Dr.J.Ashadevi Dept. of Zoology, YCM. Cash Prize for scoring highest marks in Chemistry in all semesters: Late. Sri.K.N.Vishveshwaraiah Cash Prize Sponsored by Dr.V.Prakash former director CFTRI Mysuru. Late Kanadka Gangamma Annaiah Memorial Cash Prize Sponsored by Dr.K.A.Padmaji Rtd.Professor. Dept. of Chemistry, YCM. Late Sri kariyappa G Ilapura Memorial Cash Prize for scoring III B.Sc., Sponsored by Dr. Ajay Kumar, Dept. of Chemistry, YCM. Cash Prize Sponsored by Dr. B S Sudha, Dept. of Chemistry, YCM.
24	Rekha R YB171870	Cash Prize for scoring highest marks in English in all semesters Sponsored by Dr. K.Yeshoda Nanjappa, Dept. of English, YCM.
25	Shobha N YB171919	Smt. Sarojamma and Sri. C H Devegowda, Chikkakoppalu Cash Prize for Scoring Highest Marks in Kannada Sponsored by Dr.C.D.Parashuram, Dept. of Kannada, Maharaja's College, Mysore. Cash Prize for Scoring Highest Marks in Kannada in all Semesters Sponsored by Teaching Faculty, Department of Kannada, YCM.
26	Sneha Abraham YB171311	Fifth Rank in B.Sc. Cash Prize for scoring highest marks in Botany in all Semesters: Prof. H.N.Chamaiah, Memorial Cash Prize Sponsored by is Dr.Kishore Chandra. Cash Prize Sponsored by K Gayathri, Rtd. Professor, Dept. of Botany, YCM. Neerkaje Sharada Endowment Cash Prize Sponserd by Dr.N.S.Devaki, Co-ordinator, Dept. of Molecular Biology, YCM. Cash Prize Sponsored by Dr.M.K.Mahesh,Dept. of Botany, YCM. In Memory of Smt. V.Bhagyalakshmi and B.Kapanaiah. Cash Prize Sponsored by Teaching Facuklty Dep. of Botany, YCM.

Prizes given by Cooperative Society

Sl No.	Name	Reg No	Program specific subject
01	SNEHA ABRAHAM	YB171311	BOTANY
02	SUPRAJA M KODANCH	YB171110	BIOCHEMISTRY
03	SUPRAJA M KODANCH	YB171110	BIOTECHNOLOGY
04	SANJAY BHARADWAJ M R	YB171446	CHEMISTRY
05	ANANTHA N RAO	YB171763	COMPUTER SCIENCE
06	CHANDANA G N	YB171701	ELECTRONICS
07	SHILPASHREE M L	YB171369	ENVIRONMENTAL SCIENCE
08	MADHURYA S	YB171131	FOOD SCIENCE and NUTRITION
09	SHILPASHREE M L	YB171369	GEOLOGY
10	ANANTHA N RAO	YB171763	MATHEMATICS
11	SUPRAJA M KODANCH	YB171110	MICROBIOLOGY
12	ANANTHA N RAO	YB171763	PHYSICS
13	NAYANA N N	YB171912	STATISTICS
14	CHAITHRA H R	YB171465	SERICULTURE
15	SANJAY BHARADWAJ M R	YB171446	ZOOLOGY

5.Evidence of success: Students were excited to receive so many prizes and this is definitely is going to motivate many students to excel in their academic endeavours. This is increasing the belongingness of the teachers also and more number of teachers are ready to honor our future batch of academic topper students showing the success of the idea seeded in the college.

6.Problems encountered and resources required: As such problems are not faced here. The good mindset of the teachers has to be appreciated and college is keeping all these records.

III. Student contact programme on a one-to-one basis during lockdown

1. **Title of the Practice:** Student contact programme on a one-to-one basis during lockdown
2. **Objectives** of the practice:
 - i) To help the students to overcome stress
 - ii) To understand their problems and clarify doubts
 - iii) To improve their self-esteem and confidence level
3. **Context:** During lockdown students underwent a sea change in their approach towards education. The whole concept of attending classes within the confines of the four walls of a classroom was entirely ruled out. The students had to adjust and cope up with the concept of ONLINE education which was totally new to them as well as for teachers. This sudden deviation from their regular mode of education came with its own set of problems of mental stress, inability to understand the concepts, low self-esteem and low confidence level. There was an urgent need to address this problem and so we thought of having this student contact programme on a one-to-one basis.
4. **The practice:** In this programme a teacher was made in-charge for every class of 60 students. The teacher would select 10 students per day and prior information would be given to them regarding the date and time of the video call. Usually these calls were made after ascertaining that the student is free and does not have any online class. During these video calls the teacher would interact with the students, enquiring about their health, understanding their problems, clarifying their doubts etc. Also the teachers would interact with the parents and get information about their wards regarding their studies and their overall well being. This entire process of contacting the students of one class used to get over within 6 days. Like this more than 50 teachers were engaged in this contact programme. It was decided to have this programme the first week of every month. Hence these teachers were in regular contact with the students during the whole lockdown period of 2020-2021.
5. **Evidence of success:** Students expressed that (i) this programme made them to have a better understanding of the course (ii) the continuous interaction with the teachers made them to have a positive bent of mind towards the whole scenario (iii) it gave them the confidence to face the offline exam even though the classes were held online which was clearly evident from their results of the examination (iv) also it was a confidence booster to the parents as well to see the improvement in their wards.
6. **Problems encountered and resources required:** The main problem encountered was internet facility. Many students who were from remote areas could not be reached through video calls. We had to contact them through ordinary phone calls which was highly appreciated by the parents. In many cases students had to walk 2-3 Kms to get the mobile tower connection. In spite of all odds, we could make a contact with almost all students.