



UNIVERSITY OF MYSORE
YUVARAJA'S COLLEGE
 (Constituent Autonomous College with Potential for Excellence)
 Accredited 'A' grade with CGPA 3.34 by NAAC
 JLB Road, Mysuru – 570 005, Karnataka, India



ANNUAL REPORT 2020-2021 (01-04-2020 TO 31-03-2021)

| | | | | | | | | | |
|----|---|-------------------------------|---|----------------------|------------|------------------------|-----------|-------|--------|
| 1 | Name of the College / Institution | | YUVARAJA'S COLLEGE, (Autonomous) University of Mysore, Mysuru | | | | | | |
| 2 | Year of Establishment of the College/Institution | | 1928 | | | | | | |
| 3 | Names of Principals/Heads of Institutions who were in office from 01-04-2020 to 31-03-2021 (Mention the period against their names) | | Sl. No | Name | | Period | | | |
| | | | | | From | To | | | |
| | | | 1 | Dr. M. Rudraiah | 01-04-2020 | 31-05-2020 | | | |
| | | 2 | Dr. B. N. Yashodha | 01-06-2020 | 31-03-2021 | | | | |
| 4 | Particulars of Teachers | | Annexure 1 | | | | | | |
| 5. | Hostel Facilities provided to the students, during the year 2020-21 | | | | | | | | |
| | Sl. No. | Name of the Hostel | Total number of students who got Hostel accommodation during the year 2020-2021 | | | | | | |
| | | | Male | | | Female | | | |
| | 1 | PG LADIES HOSTEL MGM-BLOCK-1 | 00 | | | 34 | | | |
| | 2 | PG LADIES HOSTEL MGM-BLOCK-2 | 00 | | | 22 | | | |
| | 3 | PG LADIES HOSTEL MGM-BLOCK-3 | 00 | | | 14 | | | |
| | 4 | YCM LADIES HOSTEL | 00 | | | 294 | | | |
| | 5 | PG HOSTEL FOR MEN MGM-BLOCK-1 | 03 | | | 00 | | | |
| | 6 | PG HOSTEL FOR MEN MGM-BLOCK-2 | 03 | | | 00 | | | |
| 7 | 9 th MAIN HOSTEL-SARASWATHIPURAM MYSURU | 143 | | | 00 | | | | |
| 8 | YCM BOYS HOSTEL | 268 | | | 00 | | | | |
| 6. | Statistics about the Students of Foreign Countries, who studied during the academic Year 2020-21 | | | | | | | | |
| | Sl. No. | Name of the Foreign Country | | No. of Male Students | | No. of Female Students | | Total | |
| | 1 | Tanzania National | | 01 | | 00 | | 01 | |
| | 2 | Nigeria | | 01 | | 00 | | 01 | |
| | 3 | Afghanistan | | 03 | | 00 | | 03 | |
| | 4 | Kenya | | 00 | | 01 | | 01 | |
| | 5 | Burundi | | 00 | | 01 | | 01 | |
| | 6 | Oman | | 03 | | 00 | | 03 | |
| | 7 | Gambia | | 01 | | 00 | | 01 | |
| | Total | | 09 | | 02 | | 11 | | |
| 7 | Statistics about the N.C.C. Training imparted to the students during the academic year 2020-2021 | | | | | | | | |
| | Sl. No | Army | | Navy | | Air Wing | | Total | |
| | | Male | Female | Male | Female | Male | Female | Male | Female |
| | | - | 33 | 17 | - | - | 33 | 17 | |

| | | | | | |
|---------------|---|---|--|--|--|
| 8 | Library | | | | |
| | a. | Total number of Books in the Library as on 31 st March, 2021 | | | 1,99,837 |
| | b. | Total Number of Books added to the Library during the year 2020-2021 | | | 800 |
| 11 | Particulars of Books written by Teachers, during the year 2020-2021 | | | | |
| | Sl. No | Name of the Teacher and Designation | Title | Publisher | Date of Publication |
| | 01 | Dr. Shekhara.Naik R, Associate Professor | 1 st Edition, Bio pesticides in organic farming: Recent advances Section 22. Certification Process and Standards of organic farming. | CRC press (Subsidiary of Taylor and Francis Group) ISBN No. 9780367460174, Published February 18, 2021 by CRC Press, 402 Pages. | February 18, 2021 |
| | 02 | H.V. Pavan, S. Mahadeva Murthy and SudishaJogaiah | Elsevier Publishing, United Kingdom. pp. 483-494. | Explorations of fungal diversity in extreme environmental conditions for sustainable agriculture applications. In: Biocontrol Agents and Secondary Metabolites: Applications and Immunization for Plant Growth and Protection. | 2021 |
| | 03 | K.S. Divya, S. Mahadeva Murthy, SudishaJogaiah | Biocontrol and Secondary Metabolites: Applications and Immunization for Plant Growth and Protection | Ecological studies of fungal biodiversity in freshwater and their broad – spectrum applications. In: Biocontrol Agents and Secondary Metabolites. Applications and Immunization for Plant Growth and Protection. | 2021 |
| | 04 | Prakruthi M, Mahesh M S and Shekhara Naik R. | CRC Press, 402 Pages | Certification Process and Standards of organic farming. Bio pesticides in organic farming: Recent advances Editor L P Awasthi. 1st Edition, Publisher: CRC press (Subsidiary of Taylor and Francis Group) | 2021 |
| | 05 | Dr.Sudha B.S, SheetalMargankop, PramodKattimani, and RavindraKamble | Book chapter Microwave synthesized functional dyes | Intechopen limited, Rijeka janezatrdine, London , UK | Dec 1, 2020 |
| 12 | Please make a List of the papers presented at State-level, National-level and International level Conferences, Seminars, Symposiums, etc., where the teachers participated during the year 2020-2021, covering the following points. | | | | |
| Sl. No | Name of the Teacher, Designation, and Department | State/ National / International Level | | Date and Place of the Programme | Name of the conference/ seminar/ workshop |
| | Dr. ShekharaNaik R, Associate Professor, Dept Of Food Science and Nutrition | Webinar on Nutrition- A Key ally in fighting Covid-19 | HUL, India | 12.05.2020 | Participated |

| | | | | | |
|--|--|--|--|---------------|-------------------------------|
| | Dr. ShekharaNaik R, Associate Professor, Dept Of Food Science and Nutrition | Webinar series 2020 “ Role of dietary spices in Human health and wellness” | AFSTI, Mysuru | 16.05.2020 | Participated |
| | Dr. ShekharaNaik R, Associate Professor, Dept Of Food Science and Nutrition | Webinar on Future of Food Technology- Post COVID - 19 | Farm to Farm Solution | 17.05.2020 | Participated |
| | Dr. ShekharaNaik R, Associate Professor, Dept Of Food Science and Nutrition | National level webinar on “The Relevance of Multi- Disciplinary Research Contemporary World” | All India Researchers Association (AIRA, Mysuru | 31.05.2020 | Participated |
| | Dr. ShekharaNaik R, Associate Professor, Dept Of Food Science and Nutrition | Triple T (TTT)- Train the Trainers Program- Module 1 | IDA and RD Board, Research- Education – Training Committee | 26.08.2020 | Participated |
| | Dr. ShekharaNaik R, Associate Professor, Dept Of Food Science and Nutrition | National Webinar On “ EAT RIGHT BITE BY BITE”as part of the National Nutrition Week 2020 | Dept of FS&N,YCM, NSI, Mysore Chapter, ICANFT, Mysuru | 07.09.2020 | Organized and Participated |
| | Dr. ShekharaNaik R, Associate Professor, Dept Of Food Science and Nutrition | National Webinar On “Conceptsof Nutrition in raditional Practices ” National Nutrition Week 2020 | Dept of FS&N,YCM, NSI, Mysore Chapter, ICANFT, Mysuru | 12-09.2020 | Organized and Participated |
| | Dr. ShekharaNaik R, Associate Professor, Dept Of Food Science and Nutrition | National Webinar On “Eat Right Bite by Bite – Food for Strategic Situation”as part of the National Nutrition Week &PoshanMaaha 2020 | Dept of FS&N,YCM, NSI, Mysore Chapter, ICANFT, Mysuru | 30.09.2020 | Organized and Participated |
| | Dr. ShekharaNaik R, Associate Professor, Dept Of Food Science and Nutrition | Oral presentation competition as part of the World Food Day 2020 | Dept of FS&N,YCM, NSI, Mysore Chapter, ICANFT, Mysuru | 15.10.2020 | Organized and Participated |
| | Dr. ShekharaNaik R, Associate Professor, Dept Of Food Science and Nutrition | National Webinar On “Grow, Nourish, Sustain, Together- our Action are our Future”as part of the World Food Day 2020 | Dept of FS&N,YCM, NSI, Mysore Chapter, ICANFT, Mysuru | 16.10.2020 | Organized and Participated |
| | Dr. ShekharaNaik R, Associate Professor, Dept Of Food Science and Nutrition | Webinar National E Conference | DOS in FSN and IDA Mysore Chapter | 22-23.10.2020 | Participated |
| | Dr. ShekharaNaik R, Associate Professor, Dept Of Food Science and Nutrition | HPTLC Technique and Its application in Agriculture | Dept of Plant Biotechnology, ASPEE College of Horti and Forestry, Navsari Agri Uni, Navsari | 03.11.2020 | Participated |
| | Dr. ShekharaNaik R, Associate Professor, Dept Of Food Science and Nutrition | <i>Organizing National webinar on “veganism – good for man, good for earth”</i> | Dept of FS&N,YCM, NSI, Mysore Chapter, MSF, ICANFT, Mysuru | 03.11.2020 | Organized and Participated |
| | Dr. ShekharaNaik R, Associate Professor, Dept Of Food Science and Nutrition | Webinar on Staple Food Fortification A cost effective Strategy to eradicate malnutrition | ASSOCHAM, New Delhi | 05.11.2020 | Participated |

| | | | | | |
|--|--|---|---|---|--|
| | Dr. ShekharaNaik R, Associate Professor, Dept Of Food Science and Nutrition | <i>National webinar on</i> “strategies for cancer prevention and survival” in Connection with National Cancer awareness Day | Dept of FS&N,YCM, NSI, Mysore Chapter, MSF, ICANFT, Mysuru | 07.11.2020 | Organized and Participated |
| | Dr. ShekharaNaik R, Associate Professor, Dept Of Food Science and Nutrition | International Webinar on Current Perspectives in Microbiology | DOS in Microbiology, MGM and Association of Microbiologists of India, Mysore Chapter | 09.11.2020 | Participated |
| | Dr. ShekharaNaik R, Associate Professor, Dept Of Food Science and Nutrition | International webinar on Functional Fermented Foods – Current status and future prospects | Dept Dairy Microbiology, SMC College of Dairy Science, AAU, Anand and Alumni Association, Gujarat State Biotechnology Mission (GSBTM) and Swedish South Asia Network on Fermented Foods (SASNETY-FF) | 15 th Dec 2020 | Participated |
| | Dr. ShekharaNaik R, Associate Professor, Dept Of Food Science and Nutrition | Webinar on Biodiversity of Mysore Series - 2020 | Mysore Science Foundation ® and Andolana | 13 th to 19 th Dec 2020 | Participated |
| | Dr. ShekharaNaik R, Associate Professor, Dept Of Food Science and Nutrition | International webinar on functional Fermented Foods- Current status and future prospect | Dept of Dairy Microbiology SMC College of Dairy science AAU, Anand and its Alumni association | 15 th Dec 2020 | Participated |
| | Dr. ShekharaNaik R, Associate Professor, Dept Of Food Science and Nutrition | Webinar on Mathematics series | Mysore Science Foundation ® | 23-30 Dec | Participated |
| | Dr. ShekharaNaik R, Associate Professor, Dept Of Food Science and Nutrition | Webinar PG IBD Update 2021 | Dept. of Gastroentology PGIMER Chandigarh | 21.3.2021 | Participated |
| | Dr. Jagadeesh D Guest Faculty | National | Indian Phytopathological Society (South Zone Chapter) & IARI Regional station Wellington | December 1 st and 2 nd 2020 Online Mode | Virtual symposium |
| | Dr. BHAT SATISH SHANKAR Asst. Professor in STATISTICS | National (Virtual) | Kristu Jayanti College, Bangalore and Dept. of Statistics, Bangalore University, National Statistical Office(NSO), Ministry of | 9 th and 10 th Feb.'2021 | Theoretical and Applied Statistics |

| | | | | | |
|---|-----------------------------------|---|----------------------------------|-----------------------------------|------------------|
| | | | Statistics & prg. Implementation | | |
| | Student Strength | | Annexure-1 | | |
| | Results of Final year Examination | | Annexure-2 | | |
| Achievements of students during the year 2020-2021 | | | | | |
| | Sl. No | Name of the Student, Course and Class in which studied during 2020-2021 | Particulars of the Competition | Place and date of the Competition | Position secured |
| | 01 | Prajwal H R, (3 rd year B.Sc) | Kick-Boxing | Mysuru , 21-02-2021 | Silver Medal |
| | 02 | Nataraju S (3 rd year B.Sc) | Karate | Mysuru, 13-02-2021 | Gold Medal |
| | 03 | Darshan M (3 rd year B.Sc) | Karate | Mysuru , 13-02-2021 | Silver Medal |

STATISTICS OF TEACHERS WORKING IN THE COLLEGE/INSTITUTION AS ON 31ST MARCH 2021

| | Schedule Castes (SCs) | | Scheduled Tribes (STs) | | Others | | Total | | Grand Total |
|--------------------|-----------------------|-------|------------------------|-------|--------|-------|-------|-------|-------------|
| | Men | Women | Men | Women | Men | Women | Men | Women | |
| On Full time Basis | 11 | 4 | 8 | 1 | 35 | 32 | 54 | 37 | 91 |
| On Part time Basis | 11 | 12 | 3 | 2 | 37 | 59 | 51 | 73 | 124 |
| Grand Total | | | | | | | | | 215 |

Annexure-3

| Course | Year | Male | | | | | Female | | | | | Total Students (7+12) |
|--------|------|------|------|-------|--------|-----------------|--------|------|-------|--------|-------------------|-----------------------|
| | | SC's | ST's | OBC's | Others | Total (3+4+5+6) | SC's | ST's | OBC's | Others | Total (8+9+10+11) | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| B.Sc. | I | 181 | 38 | 282 | 56 | 557 | 81 | 25 | 177 | 56 | 339 | 896 |
| | II | 115 | 40 | 215 | 29 | 399 | 66 | 16 | 188 | 41 | 311 | 710 |
| | III | 107 | 38 | 229 | 39 | 413 | 63 | 19 | 172 | 46 | 300 | 713 |
| B.B.A. | I | 11 | 04 | 19 | 07 | 41 | 01 | 00 | 05 | 02 | 08 | 49 |
| | II | 16 | 04 | 15 | 00 | 35 | 03 | 00 | 05 | 00 | 08 | 43 |
| | III | 05 | 01 | 18 | 03 | 27 | 01 | 00 | 04 | 01 | 06 | 33 |
| B.C.A. | I | 10 | 04 | 22 | 09 | 45 | 06 | 01 | 16 | 02 | 25 | 70 |
| | II | 07 | 00 | 28 | 08 | 43 | 06 | 03 | 10 | 04 | 23 | 66 |
| | III | 07 | 04 | 19 | 02 | 32 | 06 | 01 | 19 | 05 | 31 | 63 |

| Course | Year | Male | | | | | Female | | | | | Total Students (7+12) |
|---|------|------------|------------|------------|------------|-----------------|------------|-----------|------------|------------|-------------------|-----------------------|
| | | SC's | ST's | OBC's | Others | Total (3+4+5+6) | SC's | ST's | OBC's | Others | Total (8+9+10+11) | |
| 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 |
| MBA | I | 7 | 3 | 23 | 0 | 33 | 4 | 3 | 18 | 2 | 27 | 60 |
| | II | 11 | 3 | 25 | 1 | 40 | 4 | 1 | 13 | 0 | 18 | 58 |
| M.Sc. in Botany | I | 0 | 0 | 6 | 1 | 7 | 8 | 4 | 10 | 0 | 22 | 29 |
| | II | 2 | 0 | 4 | 0 | 6 | 6 | 1 | 13 | 1 | 21 | 27 |
| M.Sc. in Mathematics | I | 3 | 1 | 7 | 1 | 12 | 9 | 1 | 29 | 3 | 42 | 54 |
| | II | 4 | 3 | 12 | 3 | 22 | 5 | 2 | 31 | 0 | 38 | 60 |
| M.Sc. in Physics | I | 3 | 1 | 5 | 1 | 10 | 2 | 2 | 11 | 3 | 18 | 28 |
| | II | 2 | 1 | 1 | 4 | 8 | 2 | 1 | 14 | 1 | 18 | 26 |
| M.Sc. in Chemistry | I | 2 | 2 | 17 | 0 | 21 | 6 | 2 | 13 | 4 | 25 | 46 |
| | II | 6 | 3 | 18 | 0 | 27 | 2 | 1 | 8 | 4 | 15 | 42 |
| M.Sc. in Food Science & Nutrition | I | 2 | 0 | 1 | 0 | 3 | 5 | 2 | 20 | 3 | 30 | 33 |
| | II | 0 | 0 | 2 | 0 | 2 | 5 | 1 | 15 | 3 | 24 | 26 |
| M.Sc. in 5-Years Integrated Molecular Biology | I | 1 | 0 | 3 | 0 | 4 | 1 | 2 | 8 | 3 | 14 | 18 |
| | II | 0 | 0 | 4 | 0 | 4 | 2 | 3 | 8 | 1 | 14 | 18 |
| | III | 2 | 0 | 1 | 2 | 5 | 2 | 0 | 8 | 5 | 15 | 20 |
| | IV | 0 | 0 | 2 | 1 | 3 | 4 | 0 | 9 | 2 | 15 | 18 |
| | V | 0 | 0 | 5 | 3 | 8 | 1 | 1 | 9 | 3 | 14 | 22 |
| Total | | 504 | 150 | 983 | 170 | 1807 | 301 | 92 | 833 | 195 | 1421 | 3228 |

Total number of seminars/workshops conducted:

College organised 61 webinars, workshops and special lectures.

| Sl. No. | Events | Title of the quality initiative taken by IQAC | Speaker |
|---------|--|--|---|
| 1 | Health camp | Inauguration ,Dhanvantri Jayanthi with Poshan (Nutrition) abhiyaan and – Food adulteration awareness | Dr Jamuna Prakash, Dr Shekhara Naik R, Dr Mahesh MS |
| 2 | Health camp | Camp on detection of food adulteration | Dr Mahesh and PG Students |
| 3 | Health camp | Camp on detection of food adulteration | Dr Shekhara Naik R, Dr Mahesh and PG Students |
| 4 | Health camp | Nutritional assessment and diet counselling | Dr Shekhara Naik R, Dr Mahesh and PG Students |
| 5 | Inauguration of Community service club Aspice Club , | ASPIC Club , Yuvaraja's College, Mysore | Antimicrobial Resistance-a ticking time Bomb by Dr. Sumana M. N., JSS Medical College, Mysuru |
| 6 | Workshop | Workshop on “Research Methodology and Data Analysis” | Bishop Caldwell College Maravanmadam, Thoothukudi |
| 7 | National Webinar | Functional ingredients in fruits and vegetables and their health benefits | Dr. A. Jagannath |
| 8 | National Webinar | Health benefits of gourd family vegetables | Dr. C. Anitha |
| 9 | National Webinar | National Webinar – Health benefits of green leafy vegetables | Dr. H. S Prema |
| 10 | National Webinar | Autism spectrum disorder | Dr. Hanumantha char Joshi |
| 11 | National Webinar | Heavy metal contamination fruits and vegetables – Health hazards and remedies | Dr. Jennifer Raj Xavier |
| 12 | National Webinar | National Webinar – Ayurvedic concepts for healthy living | Dr. Lakshminarayana Shenoy |
| 13 | National Webinar | Concepts of fruits and vegetables in ayurveda | Dr. Lakshminarayana Shenoy |

| | | | |
|----|-------------------------------|--|--|
| 14 | National Webinar | Role of micro organisms in quality and bio deterioration of fruits and vegetables | Dr. M. P Raghavendra |
| 15 | National Webinar | Nutritional quality, health benefits and value addition to fruits and vegetables: An over view | Dr. Revathi Bhaskaran |
| 16 | National workshop | webinar on on IPR " Patents, Copyrights and Trade marks" | 1 Prof. Srinivasulu N. s., Professor of Law, National University of Judicial Sciences 2. Dr. M. N. Bheemesh, NAILS and Senior Advisor, ALMT Legal, Advocates and Solicitors, Bangalore |
| 17 | National workshop | Dhanvantri Jayanthi with Poshan (Nutrition) abhiyaan on the concept of "HITAHARA" and Valedictory function | Dr Anjaneya Murthy, Dr Gurubasvaraju, Dr Chandra Shekar A S |
| 18 | Special lecture | Healthy life style | Dr. Ashok Varshnay |
| 19 | Special Lecture | Is Women Empowerment a Myth or reality | Dr. SwarnamalaSirsi, Retd. Professor, Yuvaraja's College, Mysore |
| 20 | Special Lecture | Green audit committee and Eco club | Mr Rajkumar D, Wild life conservationist, WLC foundation, Mysuru |
| 21 | workshop | Gender Equality and Women Empowerment a Global Issue | Dr. Dharani Devi Malagatti, Deputy Director, Karnataka Police Academy, Mysore |
| 22 | Webinar | Dynamics of Fungal reproduction | Dr. Sreenivasa. M. Y. M.Sc., Ph.D, Post Doc (USA), Professor, DOS in Microbiology, University of Mysore, Mysuru |
| 23 | Webinar | Microbiology - Career Building Opportunity in Industries | Mr. Vidya Shankar K.G., Microbiologist and Internal auditor, Parleagro Pvt. Ltd. |
| 24 | Webinar | | Webinar on Srinivasa Ramanujan and his elementary works |
| 25 | Lecture series | Data Analysis Lecture Series-2 | Data Analysis Lecture Series-1 |
| 26 | Lecture series | Data Analysis Lecture Series-2 | Data Analysis Lecture Series-2 |
| 27 | Workshop | Preparation for NAAC Assessment 4th cycle | Prof. N.S. Devaki and DR R Vidya, Yuvaraja's College, Mysore |
| 28 | Alumni Interaction | Molecular Biology | Alumni Interaction: Insights into industrial career |
| 30 | Special Lecture | ASPIC Club , Yuvaraja's College, Mysore | Anuradha K. |
| 31 | Special Lecture | Science forum | Ayurveda -a strengthening key to lower Sepsis and antibiotic resistance |
| 32 | Special Lecture | Molecular Biology | Celebration of Earth Day 2021 : theme: Restore our Earth: 1. Bio wastes: real wealth of Earth 2. Orchids Diversity, restoration and conservation |
| 33 | Special Lecture | Molecular Biology | Centenary of Insulin's Discovery: Special Online Lecture; The Centenary of Insulin's Discovery: Celebrating Revolutionary Developments in Protein Sequence, Structure & Drug Discovery |
| 34 | Celebration of Earth Day 2021 | Molecular Biology | Centenary of Insulin's Discovery: Special Online Lecture; The Centenary of Insulin's Discovery: Celebrating Revolutionary Developments in Protein Sequence, Structure & Drug Discovery |

| | | | |
|----|---|---|---|
| 35 | Special lecture by webinar :Einstein Nobel Prize Centenary year Celebration | Physics and Science forum: title of the webinar: Einstein, Lenard, Millikan-the trio and photoelectric Effect | Prof. SarmisthaSahu, National Anveshika Network of India, IAPT. |
| 36 | Einstein Nobel Prize Centenary year Celebration | Molecular Biology | Getting Published |
| 37 | Workshop | Molecular biology | Hands on Introduction to Python Programming and its Application in Climate Smart Agriculture |
| 38 | Workshop | Molecular biology | Hands on training in Bioinformatics, Genomics, Machine learning, and Network Biology |
| 39 | Special lecture | Molecular Biology | How to read Scientific Literature and Introduction to MANAV-The Human Atlas Initiative" ZOOM |
| 40 | Special lecture | Science forum | Importance of Basic Research and Ethics in Sciences, |
| 41 | National Science Day | Science forum | National Science Day celebration: theme: future of Science and Technology in India: Impact on education skills and work: Seminar talk entitled Intervention of science in entrepreneurship development in fruits and vegetables processing sector |
| 42 | Special lecture | Science Forum | Nobel Prize 2020 Online Lecture series , 1. Physiology and Medicine: Discovery of Hepatitis Virus, 2. Chemistry Development of a method for genome editing 3. Physics : Super massive blackhole in the centre of Milky way. |
| 43 | Special lecture | Molecular Biology | Overcoming side effects of drugs |
| 44 | Special lecture | DR. Yashoda Nanjappa | Solecisms in Scientific writing |
| 45 | Special lecture | Molecular Biology | Solecisms in Scientific writing |
| 46 | Special lecture | ASPIC Club , Yuvaraja's College, Mysore | Vaidya. Professor T.R. Shanthala Priyadarshini |
| 47 | Special lecture | ASPIC Club , Yuvaraja's College, Mysore | Voice was given by students Sachin G. Swamy, NeethaThilosh |
| 49 | Webinar | Department of Mathematics, Yuvaraja's College, Mysore | Dr. Guruprasad |
| 50 | National webinar | Department of Food Science and Nutrition | National Nutrition Week-Eat Right Bite by Bite |
| 51 | National webinar | Department of Food Science and Nutrition | Nutrition Concepts in Traditional Practices |
| 52 | National Webinar | Department of Food Science and Nutrition | Food for Strategic Situations |
| 53 | Oral presentation competition | Department of Food Science and Nutrition | World Food Day-2020-Grow Nourish, Sustain, Together- Our Actions are Our Future |
| 54 | National Webinar | Department of Food Science and Nutrition | Grow Nourish, Sustain, Together- Our Actions are Our Future |
| 55 | National Webinar | Department of Food Science and Nutrition | World Vegan Day 1 st Nov.-Veganism – Good for man and Good for Earth |
| 56 | National webinar | Department of Food Science and Nutrition | Strategies for Cancer Prevention and Survival |
| 57 | Special Lecture | Department of Food Science and Nutrition | Healthy Lifestyle |
| 58 | National webinar | Department of Food Science and Nutrition | World Autism Awareness -Autism Spectrum Disorders |

| | | | |
|----|----------------------------|--|---|
| 59 | National webinar | Department of Food Science and Nutrition | World Health Day-2021-Ayurvedic Concepts for Healthy Living |
| 60 | Special Lecture | Department of Food Science and Nutrition | Healthy Life Style |
| 61 | World Autism Awareness Day | Department of Food Science and Nutrition | Autism Spectrum Disorders |
| 62 | World Health Day | Department of Food Science and Nutrition | Ayurvedic concepts for Healthy Lifestyle”. |

Report of the webinar conducted on 12th June 2020 to 17 June 2020

'[Manav – the Human Atlas Initiative](#)', (a Government of India citizen science project) to curate the micro and macro level scientific data available on human body. It is funded by DBT (Department of Biotechnology, Government of India). It is building team of students, faculties and experts of the field to get involved in the data curation process. Amidst this COVID-19 lockdown, the MANAV team has started conducting online webinar followed by an online test to certify students to become its member. Dr. N S Devaki (Associate Professor, Dept. of Molecular Biology, Yuvaraja's College, Mysuru) had requested the team to involve our college in its activities. The team responded positively and agreed to conduct an exclusive webinar open to B.Sc., M.Sc., research scholars and faculties of Yuvaraja's College. The details of the webinar are as follows:

Webinar Topic: "How to Read Scientific Literature?" and "Introduction to MANAV-The Human Atlas Initiative"

Date: June 12, 2020 (Friday); **Time:** 2 to 3 pm

No. of registrations: 310 (including all students and faculties of Yuvaraja's College and 25 other college/universities)

No. of attendees: 171

High lights of the webinar:

The content of the webinar was beneficial to UG and PG students in giving new direction towards understanding published scientific literature. It was conducted by Dr. Dhara Patel Lakkhar, Domain expert of MANAV project. In the first part, 'How to Read Scientific Literature', the basics and importance of scientific data over other data available on internet (like Wikipedia); databases to obtain scientific literature, journals were explained. The relevance of the term 'Curation' - peer reviewing of data by subject experts of the field, was stressed. Scientific curation forms the basis of MANAV project. Concentrating mainly UG and PG students the structure of scientific paper, method of reading a scientific paper, analysing the figures and graphs, difference between a research article and a review article were explained in detail. The importance of reproducibility of data from papers was also mentioned. The session had questions in the form of online polls to know the knowledge level of audience, which helped them to deliver content well suited to audience. The second part 'Introduction to MANAV-the Human Atlas Initiative' consisted of directions to join the project, what project actually involves aims and goals of the project. It was directed to website <https://manav.gov.in/> for more details.

After webinar online links were sent to all e-mail of all attendees consisting a 'post webinar questionnaire' and an 'English proficiency test'. Certificates were issued on successful completion of the above tests. After which they are eligible to participate in the data curation

process. Overall it was a useful and engaging session and benefited to all students with an interest to pursue scientific research.

Some screen shots of the webinar

TEAM MANAV will be conducting **ONLINE** sessions on "How to read Scientific Literature?" with the following colleges in the coming week.

- 8 June 2020
Kalindi College, New Delhi
- 9 June, 2020
Poona College of Pharmacy, Pune, Maharashtra
- 9 June 2020
Deen Dayal Upadhyay College, New Delhi
- 12 June, 2020
Yuvaraja's College, Mysuru, Karnataka

If your college/institution will be interested in hosting a similar session do get in touch with us at manav.iiserpune@gmail.com

1) How to Read Scientific Literature?
2) Introduction to MANAV - The Human Atlas Initiative

Dhara Patel-Lakshkar, Ph.D.

Collaborators: IISER Pune, NCCS, PCCRI
Funded by: DEPARTMENT OF BIOTECHNOLOGY, Ministry of Science & Technology
Co-funded by: PCCRI

Research Article vs **Review Article**

Structural analysis of the role of F192 in branching microtubule nucleation

The role of ACC100-induced signaling in regulating the actin cytoskeleton in prostate cancer

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How to read a paper in 30min ??

- Title - 1min
- Abstract - 10min
- Highlight as you read !! (annotation)
- Quick Read the Results - 10min
- Quick read the Conclusions - 9min
- DECIDE : Should I read the whole paper ??

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Research Article

- Title
- Abstract
- Introduction
- Materials and Methods
- Results
- Discussion
- Conclusion
- References

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Calcineurin inhibition controls Golgi organization and function through Arf1 activation in anchorage-dependent cells

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Brochure of the webinar can be found below:



Yuvaraja's College(Autonomous),University of Mysore,



Re-Accredited 'A' grade by NAAC with CGPA of 3.34 & college with potential for excellence, JLB Road, Mysuru-570005

Dear Students and Teachers,

Internal Quality Assurance Cell (IQAC), Yuvaraja's College (Autonomous), University of Mysore has arranged a webinar over **ZOOM** in association with **MANAV** team, **IISER- Pune**, the details of which can be found below:

Register on or before 10th June 2020

Register here: https://docs.google.com/forms/d/e/1FAIpQLSc4_NY3L7OCb57H7WiWNjkxa80976Y8Jw-hf4HHQ3A0SgAEiw/viewform

Webinar Topic: "How to Read Scientific Literature?" and "Introduction to MANAV-The Human Atlas Initiative"

Date: June 12, 2020 (Friday)

Time: 2 to 3pm

We will send ZOOM link of the webinar to all registered participants on June 11 after 5pm.

(We request you to kindly update your ZOOM to the latest version-[click here](#))

Note: The webinar will be conducted over ZOOM and will be followed by two tests that will be administered ONLINE to all participating students

- (1) An English Proficiency Test
- (2) A Test for Reading scientific content (Post-webinar Questionnaire)

Participants who attend the session and successfully complete the above 2 tests will be entitled to receive **adown loadable certificate** for the same.

Contact:

Dr. N S Devaki,
Associate Professor,
Department of Molecular Biology,
Yuvaraja's College, Mysuru.
Mob: 9448933006

Sachin GS wamy
4th year M.Sc.-Molecular Biology
Yuvaraja's College, Mysuru.
Mob: 9964548457 (What's app)

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Prepared by Sachin G Swamy, 4th year Int. M.Sc. in Molecular Biology, YCM saching.maasarada@yahoo.com

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Report on the webinar on Intellectual Property rights conducted on 06thJuly2020

A webinar on intellectual Property Rights: Patents, Copyrights and Trademarks was conducted at Institute of Excellence (IOE), Vijnan Bhavan on 06/07/2020. The workshop was jointly organized by Department of Molecular Biology & Internal Quality Assurance Cell, Yuvaraja's College, Mysuru in association with IOE, Vijnana Bhavan, UOM, Mysuru. The webinar was delivered from the conference hall of the IOE, Vijnan Bhavan. Over 130 participants attended the Workshop through online mode. Participants were welcomed by moderator Dr. N.S .Devaki at 10.30 am, followed by initial remarks from Dr. B.N. Yashodha, Principal. The webinar was inaugurated by our Honourable Vice Chancellor Prof. G. Hemantha Kumar at 10.40 am with inaugural address. During his inaugural address honourable vicechancellor stressed the importance of IPR and its relevance in these times and its necessity for the advancement in research and development in India. Coordinator of IOE, Dr. Chandra Nayak presided over the session. Background of the webinar and introduction of first speaker was given by Dr. N.S. Devaki. The first speaker Dr. Srinivasulu (Professor of Law, National University of Judicial Sciences Kolkata) spoke on the topic of "Patents, Copyrights and Trademarks: Procedural and Legal Aspects". His lecture started with an introduction to Intellectual Property Laws and spanned across the different disciplines related to IPR. He pointed out that IPR is no more confined to the legal fraternity, but has spread across all disciplines because of which it has an impact and significance on arts, science, commerce, management and business. Patents copyright and trademarks have great significance not only in the uplifting the knowledge economy but also in fine-tuning it. He elucidated the meaning of intellectual use of traditional knowledge with an example of basmati rice case of 1997. He recalled the 1980's IPR laws in India. Also, he recollected his PG teaching to genetics students of University of Mysore during 2005-06 related to intellectual property rights and technology transfers. He gave an overview on the importance of legislation in the field of science and arts community, how innovation comes with different disciplines with collaboration research, marketing innovations etc. He explained how to file a patent in India itself with respect to life science, biotechnology, computer science and physical sciences and also in the context of collaboration research. He briefed on IPRI was indifferent countries like USA, Germany, UK etc. He gave an overview on the claim drafting to capture a molecule or a compound, process, methods, drugs, claims to monopoly, copyright for arts, authoring music, painting, movie, computer programme, first author claim of book, translator claim to different language and trademarks used in the court of business and management etc. Then he discussed on different aspects of intellectual properties like industrial design, geographical indication, trade secret, protection of farmers' rights and researchers' rights. He concluded the talk by explaining the rationale of protection and the nature of IPR. He emphasized that IPR has to be renewed from time to time for keeping the min force except in case of copyright and trade secrets. This session went upto 11.40 am followed by 10 minute so interaction with participants.

Speaker was impressed with the query of one of the participant on plagiarism and he gave the tips to reduce plagiarism while writing thesis and research articles.

Second speaker was Dr. Bheemesh (NIALS and senior advisor, ALMT Legal, advocates and solicitors, Bangalore) was introduced by Dr. N.S. Devaki. His talk started at 12.00 pm and he spoke on "Intellectual Property Rights: significance for Career Researchers". His presentation began with explaining the various aspects of IPR, what is Patent and copyright etc with videos along with power point presentation. He discussed in detail about the topics such as what is copyright? What do we mean by author or creator?' etc. He cited interesting case studies like PepsiCo's withdrawal of the case filed against the Gujarat

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farmers, contribution of Dr. Tessy Thomas in Aeronautical System, Dr. Raghunath Mashelkar and Oncologist Dr Vishal Rao and their discoveries. He discussed the matter with the instant camera story of Polaroid origin. He distinguished patentable and non-patentable inventions in India and around world. He gave various examples of patents in sciences. The procedure for the application of patents and the various steps of granting of patents were described. He concluded the session by explaining about procedure for applying patents with an example of recent 'Monkey selfie' case over the image copyright and trade secret. The session ended at 12.45 pm and then it was followed by interaction with participants. He was impressed with the participants' queries. The workshop was concluded at 1.00 pm by a vote of thanks by Dr. N.S. Devaki. The Workshop was highly informative to students, teachers and research scholars. Teachers and students from other departments, colleges, universities and research institutes from different parts of India participated in the webinar. Thus webinar provided valuable awareness and insights on the various aspects of IPR.



Inaugural Session in the Presence of Honourable Vice Chancellor Prof.G. Hemanth Kumar



Screen shots taken during the webinar: Left: Prof. Srinivasulu N. S. and Right: Dr. Bheemesh M. N. addressing during the session.



Screen shots of the slides shown by Dr. Bheemesh M.N. during the webinar

Report By: Dr. D. Jagadeesh
 Department of Molecular Biology
 Yuvaraja's College,
 University of Mysore, Mysore



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Antibiotic Stewardship and Prevention of Infection in Communities (ASPIC) - YCM Chapter

08th August 2020

Report on the Virtual Inauguration of the Antibiotic Stewardship and Prevention of Infection in Communities (ASPIC) Club - Yuvaraja's College Chapter

Date: 05th August 2020 at 11 am Virtual platform: Google Meet

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 the community on anti-microbial resistance through different modes. It is an honour and privilege for Yuvaraja's College, Mysuru (YCM) to be a part of this network. The ASPIC Club Yuvaraja's College Chapter was inaugurated virtually via Google meet on 5th August 2020. Below is a report about the overall session.

Around 120 people joined the inaugural program virtually. The event took off by the greetings and a short introduction about ASPIC was by the moderator of the event, Syed Shahid Afridi followed by welcome address by Ms. Sanjana Shajan, Guest faculty, Dept. of Molecular Biology, YCM. Later, Dr. BNY ashodha, Principal, YCM addressed the session. The keynote address was delivered by Dr. NS Devaki, Associate Professor & Course-coordinator, Dept. of Molecular Biology, YCM. Following this, Dr. Phillip Mathew, Public Health Contact: [aspic.ycmchapter@gmail](mailto:aspic.ycmchapter@gmail.com)

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Consultant, ReAct Asia Pacific gave a brief introduction to ASPIC Clubs Network and its main aim of creating awareness about AMR among the public through students. He also talked about the strategic priorities of International academic network-ReAct (2019-2022) & also its mandates. After this, the club was declared open by Dr. Phillip Mathew and Dr. B N Yashodha, Principal, YCM. Following the inauguration, Neetha Thilosh briefed about ASPIC-YCM Chapter and also prospective activities of the club.

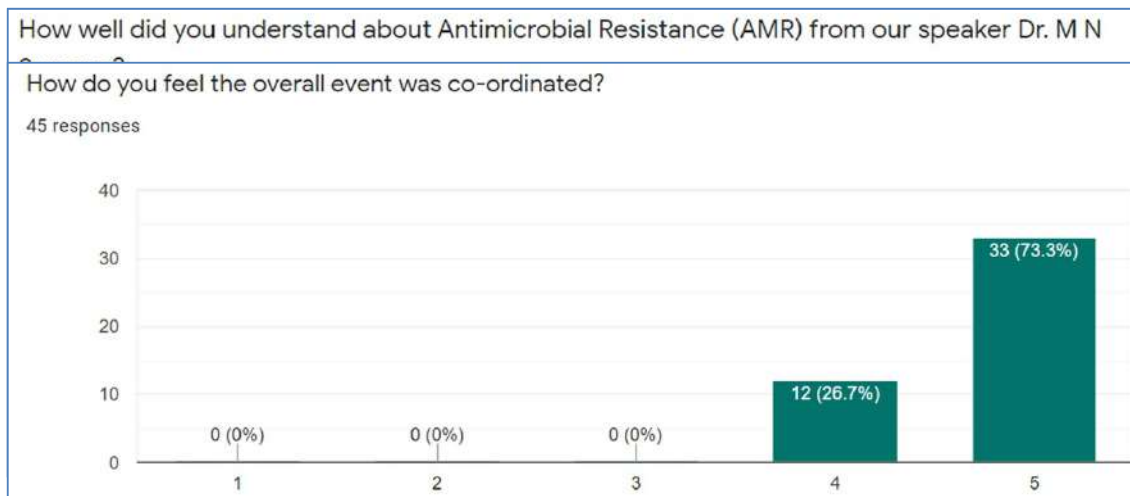
Later, Subiya Khan introduced our Chief Guest Dr. M N Sumana, Professor, Dept. of Microbiology, JSS Medical College, Mysuru. Dr. M N Sumana delivered a beautiful innovative inaugural lecture on “Antimicrobial Resistance – A ticking time bomb”. Some highlights of her lecture:

- Global action plan on anti-microbial resistance
- Core value of antibiotics – Save antibiotics; Save lives
- Importance of Antibiotic stewardship, which helps in improving the outcome for the patients in hospital by decreasing the cost of antibiotics, antibiotic resistance and *Clostridioides difficile* infections
- Causes & spreading of antibiotic resistance
- Importance of hand hygiene was taught by an and hygiene an them
- Proper Biomedical waste management has to be followed to reduce new infectious diseases
- Action of different antibiotics inside a cell, which was beautifully described in the form of a cartoon & development of antibiotic resistance
- National guide lines of Antibiotic stewardship
- Antibiotic cycling in the community
- Educating and training the general public about the rational use of antibiotics through innovative games
- Final goal of antibiotic stewardship is to cause the least harm to the patients and save more antibiotics for the present and future

Following this, a short video on ‘How society is responding to the challenge of antibiotic resistance’ by Science Museum (<https://www.youtube.com/watch?v=u2kuIONWaxI>) was played for the audience.

Finally, the program was concluded with vote of thanks by Aditi L H.

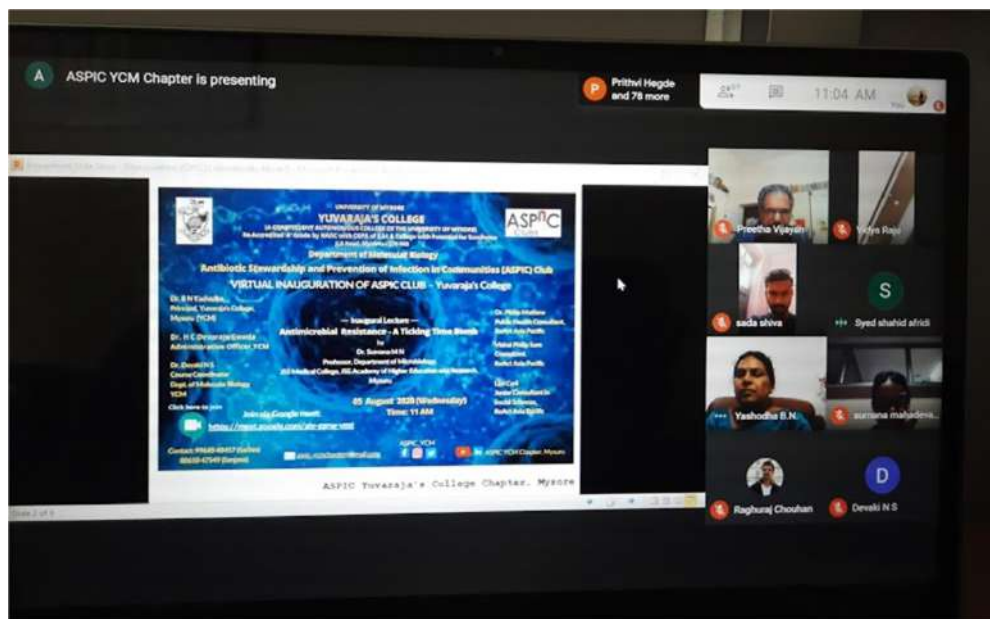
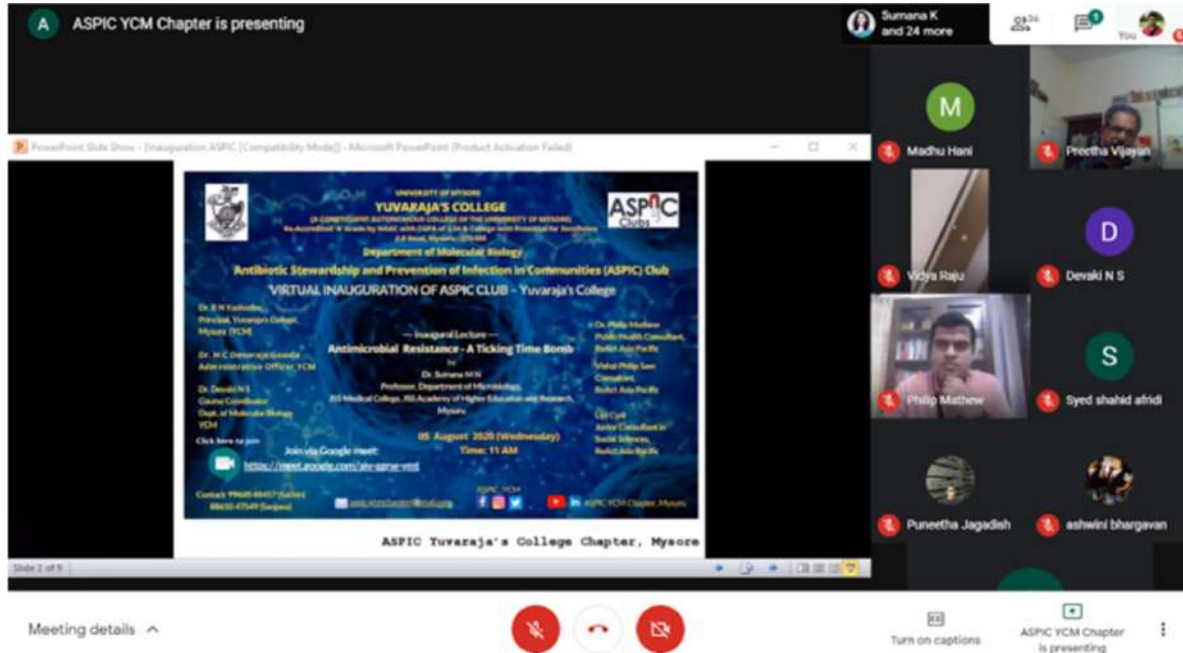
After the session, we also tried to obtain **feedback/suggestions** from attendees through Google Forms.



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Summarising the suggestions we received, it was reflected that there is a dire need for future talks in areas of AMR. It was also highlighted by our audience that, dividing the audience in to different categories and arranging talks accordingly would prove very effective. Importance of conducting small local surveys with respect to antibiotic prescription and usage, presentation of drug resistance case studies was also advised.

Some of the Screen shots of the session



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REC Philip Mathew is presenting

ASPIC Clubs

- "Antibiotic Stewardship and Prevention of Infection in Communities"
- Seeded by **ReAct Asia Pacific**, a part of an international network on Antibiotic Resistance.
- ASPIC Clubs based in universities and colleges
- Aimed at mainstreaming the issue and creating an interest among students
- The interest in Antibiotic Resistance among students can translate into better research and more community awareness
- Primary mandate is to have activities at the college/community level

Meeting details Meeting controls Turn on captions Philip Mathew is presenting

REC ASPIC YCM Chapter is presenting

ASPIC-Yuvaraja's College Chapter, Mysore

Opened on 05th August 2020

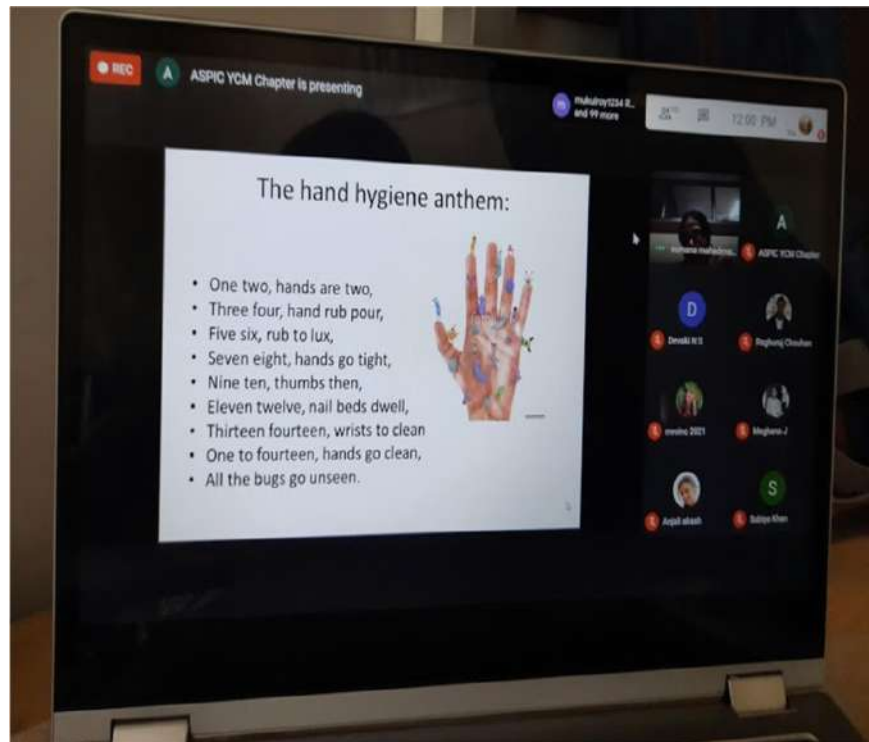
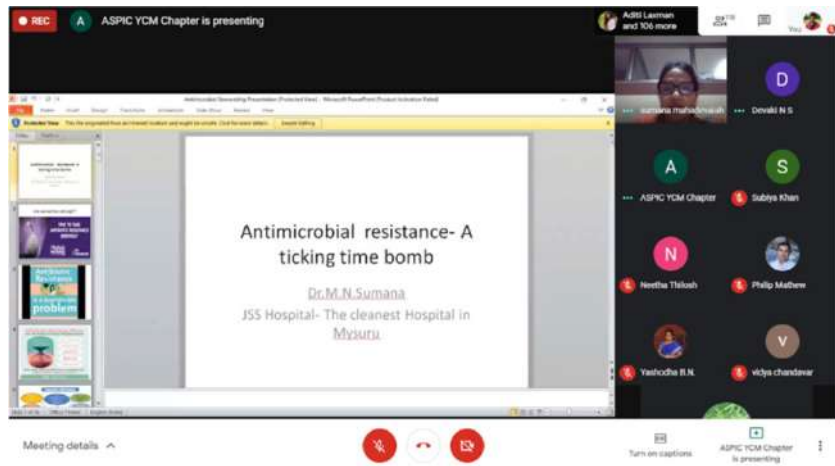
By
Dr. B N Yashodha, Principal, YCM
and
Dr. Philip Mathew, Public Health Consultant, ReAct Asia Pacific

At
Yuvaraja's College, University of Mysore,
JLB Road, Mysuru 570 005.

Meeting details Meeting controls Turn on captions ASPIC YCM Chapter is presenting

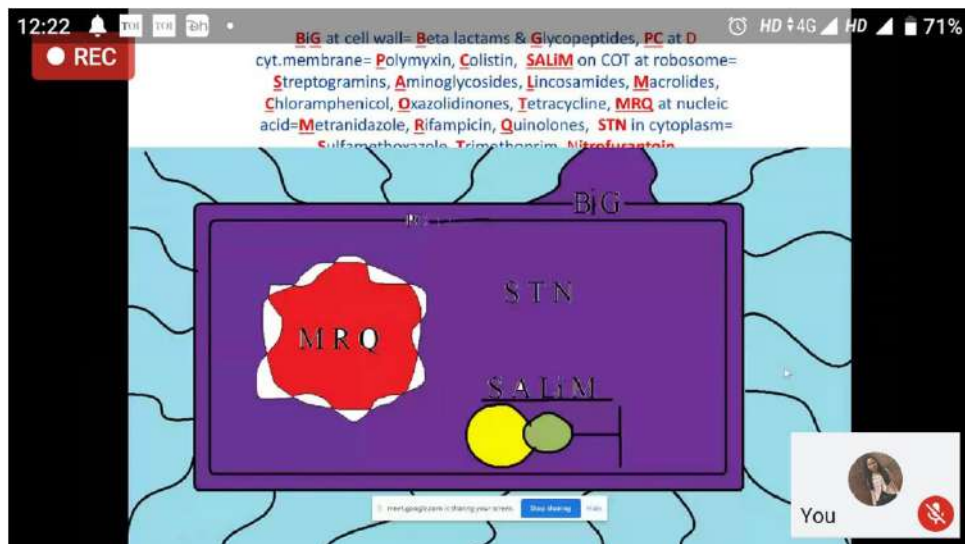
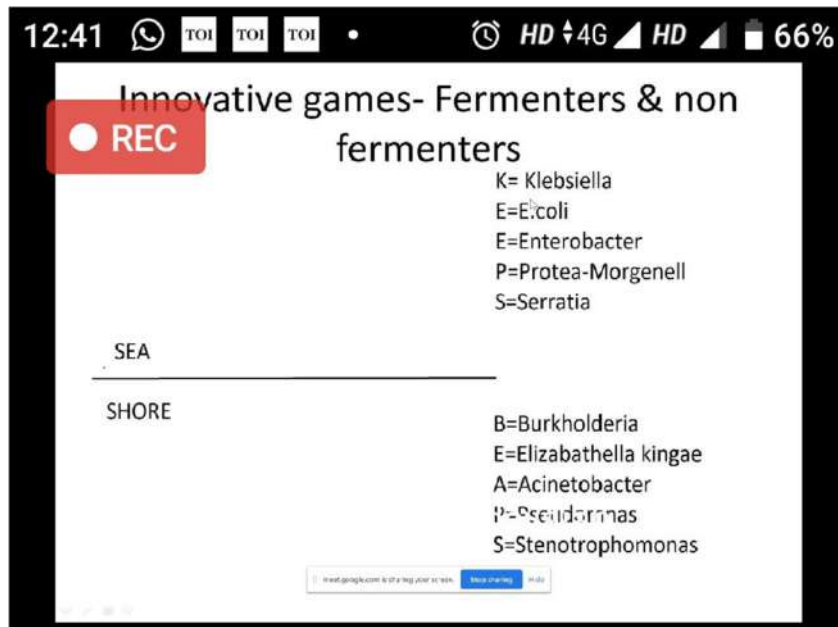
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Report prepared by:

- Sachin G Swam, Student President, ASPICYM Chapter, YCM
- MeghanaJ&DhaariniSY, 9th semester, 5 Year Integrated M.Sc. Molecular Biology, YCM



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Antibiotic Stewardship and Prevention of Infection in Communities (ASPIC) – Yuvaraja's College Chapter

10th October 2020

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Report on the first webinar 'Can I help in the prevention of Antimicrobial Resistance (AMR)?'

Date: 6th October 2020 at 3 PM Virtual platform: Google meet

Around 70 people joined the program virtually. The event commenced with warm greetings by Amarthya Siddhartha, and a brief introduction on ASPIC club activities and its main objectives on creating awareness about AMR among the public through students was given by Shryli Shreekar. Meghana J, Student Secretary of ASPIC Club introduced our Chief Guest **Dr. Anuradha K**, MBBS, MD, HOD, Department of Microbiology, Mysore Medical College, Mysuru. Following are the highlights of her lecture:

- Antibiotic mechanisms of action in bacteria.
- AMR transmission (germ to germ, person to person, animal to man).
- Bacterial resistance is naturally developed or acquired and the transfer of drug resistance takes place through transformation, conjugation, and transduction.
- Mechanism of drug resistance - Decreased permeability to antibiotics, structurally modified antibiotic target sites, antibiotic inactivation, and efflux mechanism.
- Timeline of antibiotic discovery and resistance - There is a global concern on how to treat multi drug resistant strains.
- Anti viral and antifungal resistance.
- Drug resistance microbes also known as 'ESKAPE' pathogens.
- Strains that are resistant to vancomycin are called ALERT strains.
- Drug resistance Gram-positive and gram-negative strains.
- SUPERBUGS - they amplify and spread. The speaker highlighted on 'the change in the human behaviour might bring change in dealing with antimicrobial resistance.'
- Microorganisms present in environments sometimes become opportunistic and pathogens carry plasmid resistant genes.
- Use of AMD's is risk of emergence of AMR -
 - i. Veterinary targeted pathogens cause animal health issue.
 - ii. Zoonotic food borne pathogens and Animal commensal micro biota causes public health issues.
- Precautionary measures to prevent AMR - To maintain cleanliness (prevention of infection is one step towards prevention of AMR), prevention of bacterial contamination of food, timely vaccination to prevent infection.
- To use innovative and new technologies like whole genome sequencing, met genomics and bioinformatics approaches to develop next generation tools to strengthen human and animal health.
- Create an awareness about AMR which can bring about behavioural change among people, by - more engagement in public communication, introducing the concept of AMR in school curriculum, quorum sensing.
- The Global impact of AMR on human health was mentioned.
- GLASS (Global Antimicrobial Resistance and Use Surveillance System Report) - way to prevent AMR on an international level. They look at antimicrobial resistance, antimicrobial consumption, HIV drug resistance, drug resistance in tuberculosis, malaria and EGASP (ENCODE Genome Annotation Assessment Project). At Contact: aspic.ycmchapter@gmail.com

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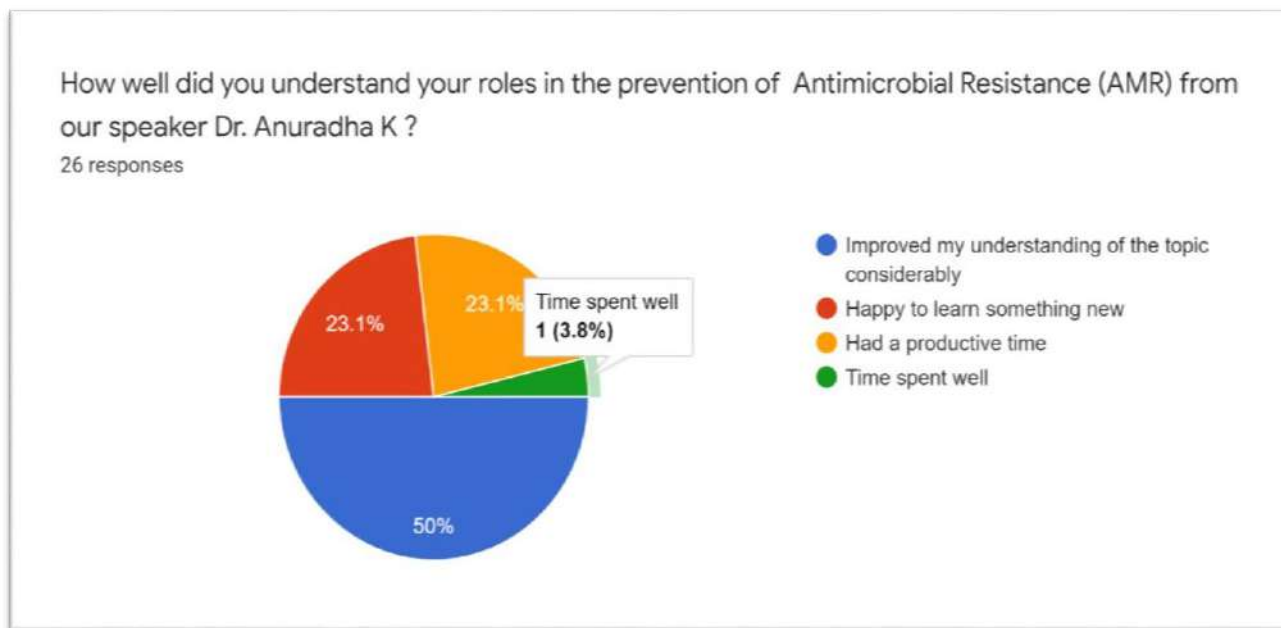
thenationallevelinIndia,thereisNCDC(NationalCommunicableDiseaseCentre)

- The Tripartite work plan on AMR – They collect information on AMU (Antimicrobial Usage) and AMR from humans, animals, plants, food and environment on a regional and global basis, this data collected is later provided to FAO (Food Agricultural Organisation), WHO (World Health Organisation), OIE (World Organisation for Animal Health), here the data is integrated and validated.

Following this, was the Q&A session supervised by Shryli Shreekar, then Sachin G Swamy, Student President, ASPIC YCM Chapter spoke about the various present and upcoming activities conducted by the club, like Sundays with Superbugs and the need to bring awareness of AMR among healthcare workers and rural people. The announcements of the future activities of the club was made by Shreyas H K such as,

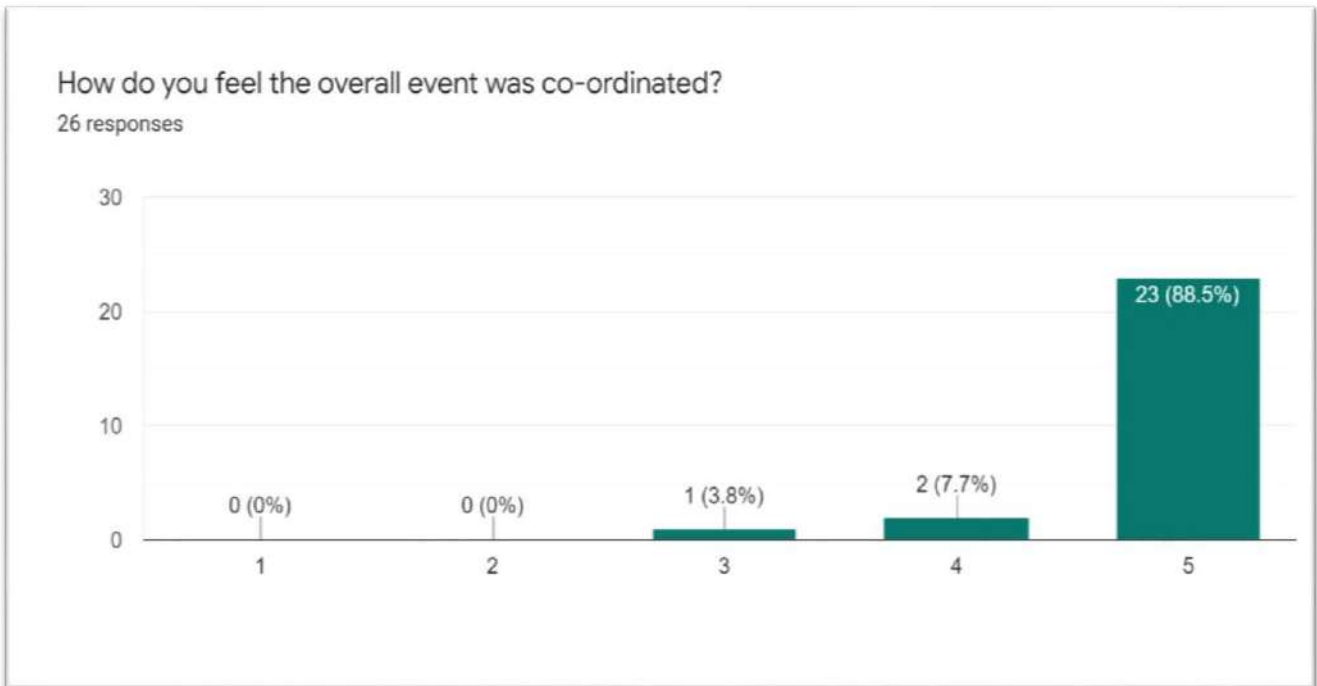
- a) ASPIC Clubs Network and ReAct Asia Pacific organizes Photography contest to celebrate World Antibiotic Awareness Week-2020
- b) Students Poster Competition on Antimicrobial Resistance(AMR)

Finally, the program was concluded with vote of thanks by Amarthya Siddhartha. After the session, we also tried to obtain feedback/suggestions from attendees through Google Forms.



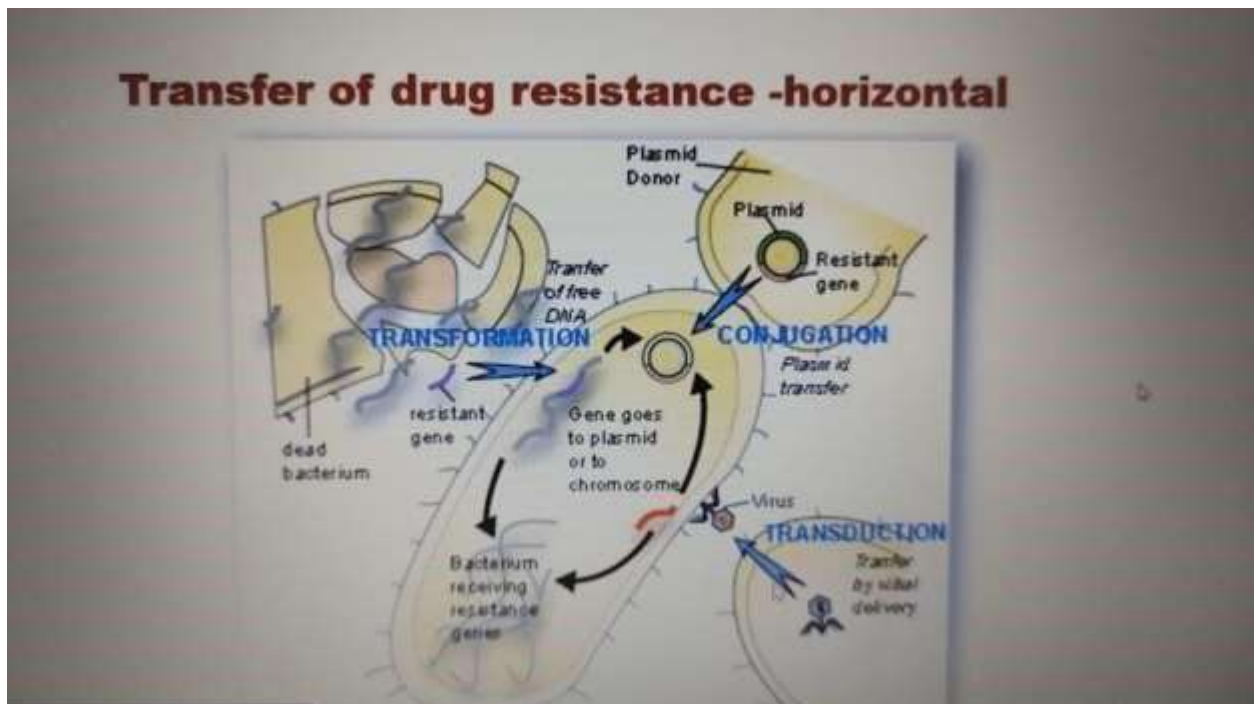
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Summarizing the suggestions, we received; it was highlighted by our audience that obtaining knowledge about AMR during the pandemic was much informative and beneficial. There is a dire need to highlight the importance and spread the awareness of AMR among rural areas. To try and get in touch with the common people and make them understand the gravity of the situation in as much simpler way was advised.

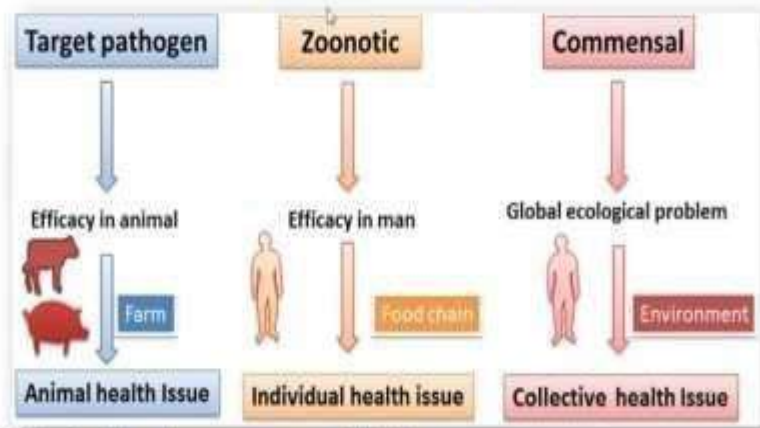
Some of the Screen shots of the Session



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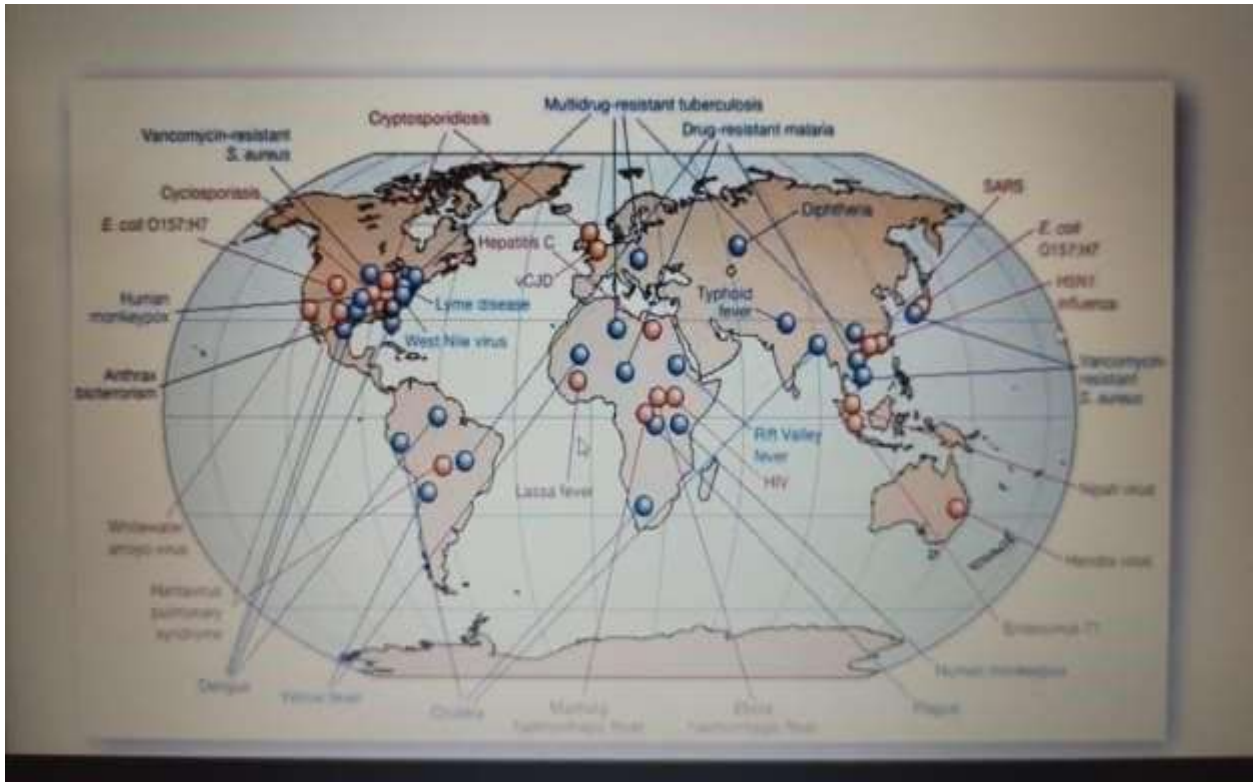
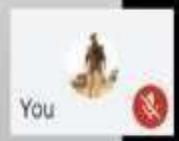
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VETERINARY



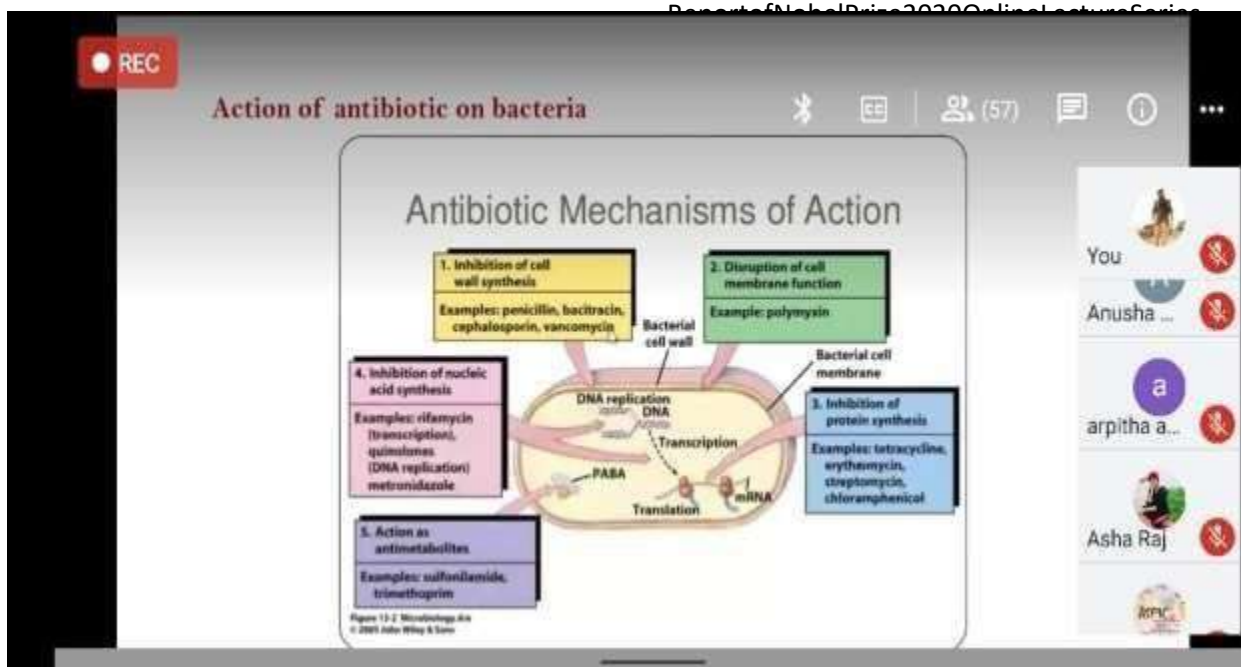
Use of AMDs is risk of emergence of AMR

- Veterinary targeted pathogens – animal health issue only
- Zoonotic food-borne pathogens – public health issue
- Animal commensal microbiota- public health issue



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Report prepared by:

- Inchara Muralidhara & Epsitha Marathe, 3rd year, 5 year Integrated M.Sc. Molecular Biology, YCM

[Report on the Special Webinar on 'Importance of Basic Research and Ethics in Sciences'](#)

Speaker: **Prof. Subhash Chandra Lakhotia**, Distinguished Professor, Banaras Hindu University, Varanasi.

Date: **14th October 2020 @ 11 AM via Google Meet**

Organized by: **Department of Molecular Biology & Science Forum, Yuvaraja's College, Mysuru.**

In the elaborated talk and discussion spanning more than one and half hours Prof. S.C. Lakhotia reminded our audience (mostly students, faculties, and research scholars) of the importance of ethical research practices. **Around 150 participants were present** or the webinar from various colleges, institutes, and universities. Prof. H. A. Ranganath, Prof. N. B. Ramachandra, and Prof. S. Shankara Bhat from the University of Mysore were also present among the audience.

The first part of the talk was general pointing out the features of science research; which he mentioned: "research always adds up to our knowledge and lets us know what we still don't know". He cautioned students that research is an act of self-driven curiosity, one should pursue if he has a passion for it. Further, the importance and the need for basic research were made clear with many facts like the basic research generates wealth in the form of knowledge, it is interdisciplinary, forms the basis of applied research which in turn is profit-oriented knowledge E-application. He supported his statement with the fact that modern recombinant DNA technology finds its origin from basic research which followed the inquisitiveness to understand how DNA multiplies or is passed on from generation to generation. He urged students should receive interdisciplinary training, keep open their inquisitiveness, and develop the imagination power & sense of originality required for converting knowledge in to technology.

The next part of the talk was on ethics and its need in higher education and research. He pointed out the need for ethics in current time as people are finding unscrupulous ways because progress in research is often considered as an individual's achievement and for promotions & increments in the work environment. Science is pursued in search of truth, hence honesty

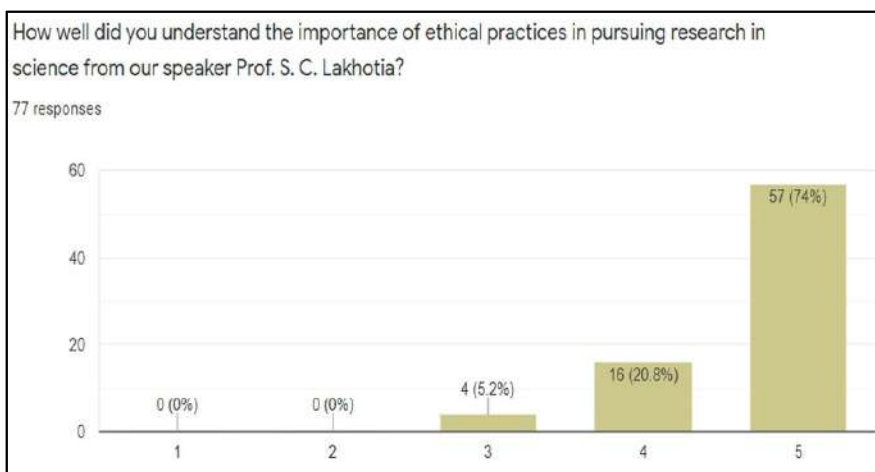
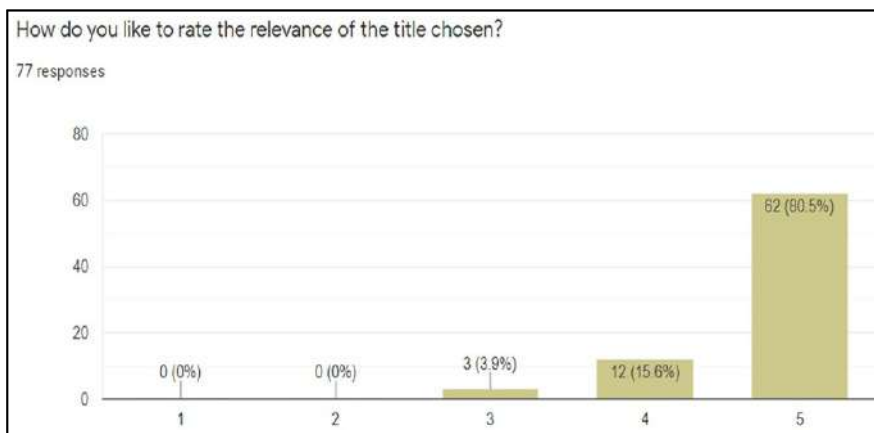
and strict adherence to these ethical guidelines are very important was his concern for young research scholars among the audience. Then he jumped on to the ethical practices one should adopt while publishing the work he/she has done in the laboratory. He elaborately discussed the authorship issues, mainly from the perspective of the student-supervisor relationship. The responsibilities of the author were also highlighted in the talk. It was said that it is the collective responsibility of the authors, reviewers, and editors of the journals to ensure the practice of ethics at all levels of publishing with strict accordance with guidelines of the Committee on Publication Ethics (COPE). Summarising it was pointed out that there is a need for good ethical practices to train future researchers and leaders.

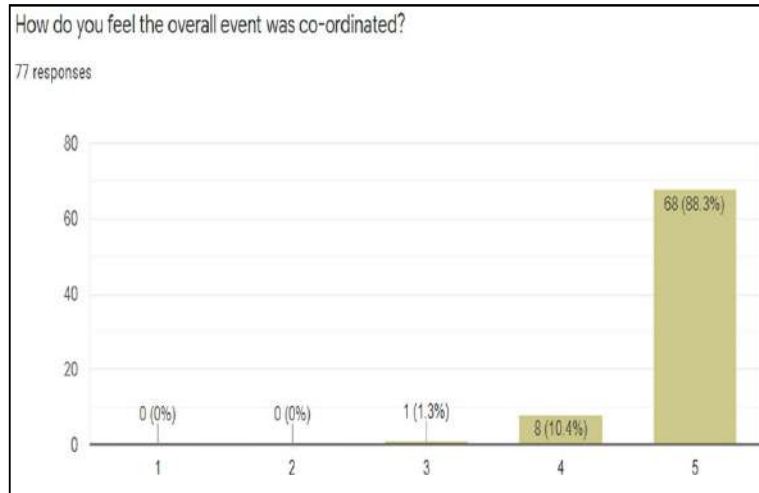
Department of Molecular Biology, Yuvaraja’s College, Mysuru

The last part of the talk was an account of the state of Indian research publications. A call was given not to consider ‘impact factor’ as the only decisive element while assessing one’s career progress. The quality of the work matters than in which journal it is published. He also highlighted to make sure to avoid ‘predatory journals’ and ‘open access charges’. Factors to be considered while choosing journals to publish were elaborately discussed mentioning that where we publish has to be a pleasure rather than a pressure. The importance of the ‘pre-print archives’ in this internet era to avoid the idea of plagiarism was appreciated. He also appealed not to distinguish journals as ‘national’ and ‘international’, also urged to consider good Indian journals for publication. The talk was followed by a discussion and question & answer session.

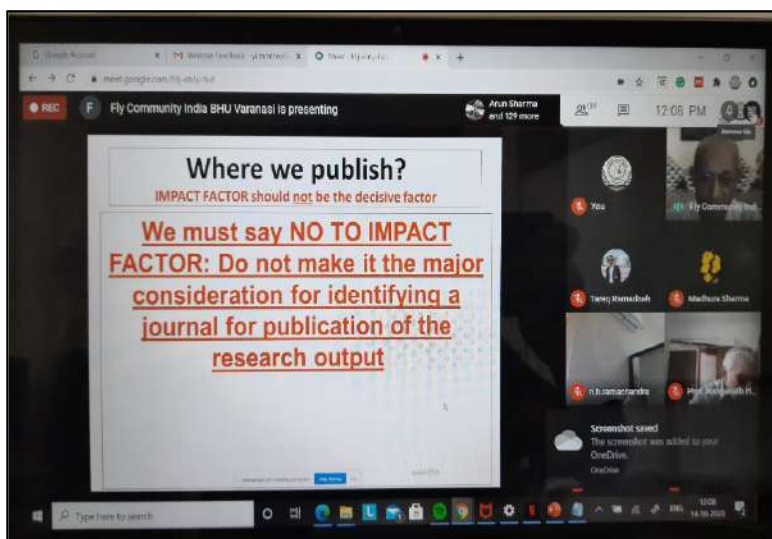
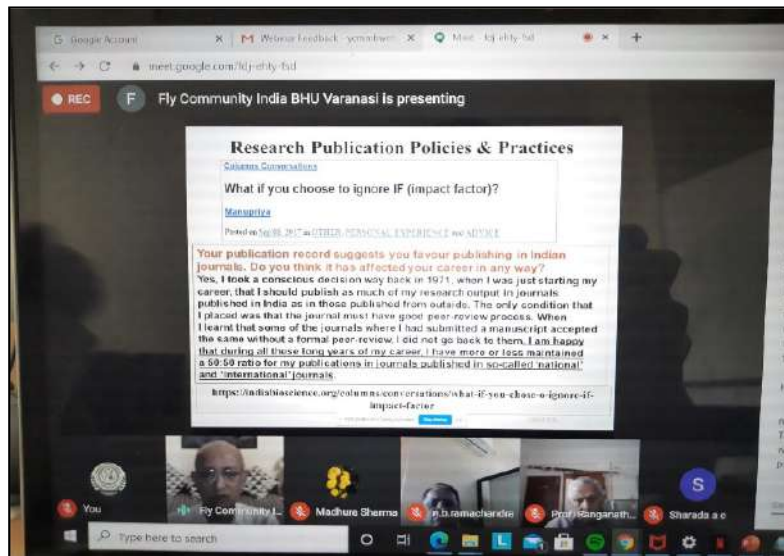
Feedback received by the audience

A feedback form was sent to all participants and we were able to receive 77 responses. Overall it was felt that the event was well coordinated and many of them got benefitted from the elaborated content of the talk.



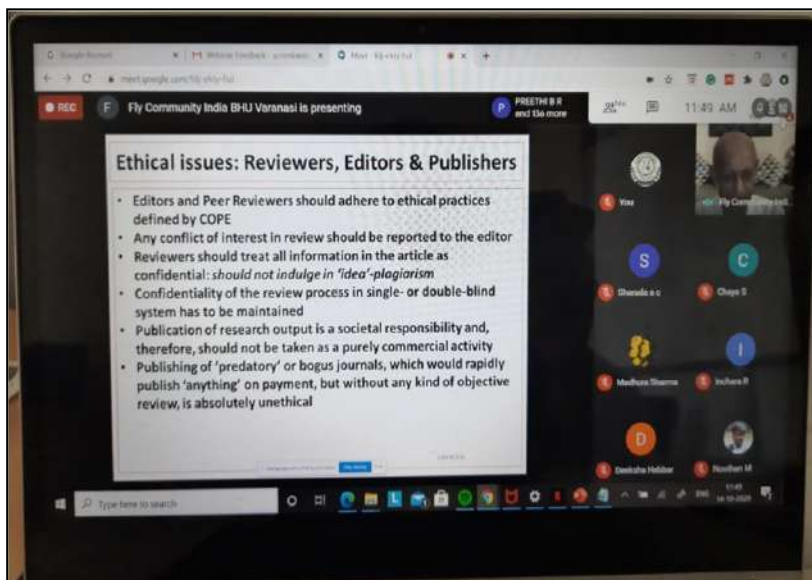


Some of the screen shots of the webinar



Prepared by:

24th October2020



SachinGSwamy,FinalyearInt.M.Sc.-MolecularBiology,Yuvaraja’sCollege,Mysuru.E-mail:saching.maasarada@yahoo.com

Reporton‘ Nobel Prize–2020Online Lecture Series’: Physiology & Medicine, Chemistry and Physics

18th December 2020 @ 10:30A M via Google meet Organized by: Science Forum, Yuvaraja’s College, Mysuru.

This is the second edition of the Nobel Prize lecture series conducted by the Science Forum. The first edition was in October 2019. The registration started from 8 November 2020, and we received around 700 entries. All the necessary technical setup was arranged afore hand, to stream the Google meet’s session live on YouTube. The programme was formally inaugurated by Prof. H.C. Devarajgowda, Administrative Officer, Yuvaraja’s College who delivered an introductory note, highlighting the background of the Nobel Prize that is awarded each year. This was followed by a brief talk by Dr. N. S. Devaki, Convener, Science Forum, Yuvaraja’s College who familiarized the audience with the idea and intent of conducting the lecture series on Nobel Prizes that are awarded each year to various fields of Science.

Morning Session:

1. Medicine & Physiology

Speaker:

Dr. Shashank Tripathi, IISc, Bengaluru.Topic:DiscoveryoftheHepatitisCvirus@11AM

In the elaborated talk and discussion spanning more than an hour, Dr. Shashank Tripathi spoke about the discovery of Hepatitis C virus. **Around 250 participants were present** for the webinar from various colleges, institutes, and universities. He started his talk by quoting “For the discovery of Hepatitis C virus Harvey J Alter, Michael Houghton and Charles M Rice were awarded the Nobel Prize in 2020 for Physiology & Medicine. The discovery of Hepatitis C happened back in 1989, the Nobel Prize committee took a little time to realize the importance of this discovery”. The global prevalence of Hepatitis C

virus, history of the virus, discovery of viral pathogens: Koch's postulates were explained in detail.

The identification of the virus was first done by Harvey J. Alter - in blood transfusion patient seven if the screening was done for Hepatitis A and E, the virus not seen: but the patients were developing chronic Hepatitis, something was causing the disease at first it was called non-A, non-B. He was able to purify the infectious part from the serum of chronic patients and when it was transferred to Chimpanzees they developed the disease. This was the first part of the discovery. Michael Houghton did a decade long search for the identification of the infectious agent. The antibodies present in the serum of infected patients was used and by these antibodies were used to Identify cloned viral DNA fragments coding viral proteins, further library was prepared complementary DNA could be identified not as Hepatitis A or E. Charles M Rice made pure cultures of the virus and injected them into a healthy organism and showed the occurrence of the disease. Since the pure culture of the infectious virus was not available he developed the recombinant DNA based methods, he was able to make RNA of the virus. He also highlighted about other scientists Michael J Sofia, Ralf F W Bartenshlager and their contributions.

2. Chemistry

Speaker: **Dr P Chandrashekar**, CCMB, Hyderabad Topic: **Development of a Method for Genome Editing**@12:15PM

He started to quote "The Nobel Prize in chemistry 2020 was awarded for the development of a method for genome editing to two ladies, which was for the first time in the history of Nobel Prizes; they were Emmanuelle Charpentier and Jennifer A Doudna". The work was for 8 years. In the first part he spoke about the history of origin, contributions of different research groups and their different level of findings and information to understand CRISPR in many organisms and its applications. The CRISPR journey started back in 1987. The first article that was a break through for the discovery was "CRISPR RNA maturation by trans-encoded small RNA and host factor R Nase II". CRISPR machinery works like the immune system of prokaryotes against foreign genetic elements.

In the next part, he spoke about the mechanism of CRISPR and how CRISPR was utilized in the past 8 years. Applications include genome editing in mammalian cells, an article was written "Multiplex Genome Engineering Using CRISPR/Cas systems" and the genetic manipulation was limited to mice due to germ line competent embryonic stem cells and a few more applications were discussed.

3. Physics

Speaker: **Prof.G.Srinivasan** (Rtd.) Raman Research Institute, Bengaluru. Topic: **Black Holes of General Relativity**@2:30PM

The lecture was started with an introduction about 'the Nobel Prize 2020 in Physics' which was divided into three parts, one half awarded to Roger Penrose "for the discovery that black hole formation is a robust prediction of the general theory of relativity", the other half jointly to Reinhard Genzel and Andrea Ghez "for the discovery of a super massive compact object at the centre of our galaxy".

The lecture was continued with explanation about the black holes. The term black hole was coined in the mid-1960 by American Physicist John Archibald Wheeler. Black holes refer to a point in space where the matter is so compressed as to create a gravity field from which even light cannot escape. The black hole was theorized by Albert Einstein during 1915. He also spoke about the Keck telescope used by Ghez and her collaborators in Hawaii. The two telescopes have mirrors 10m in diameters & adaptive optics, a technique used to eliminate the blurry image of celestial object.

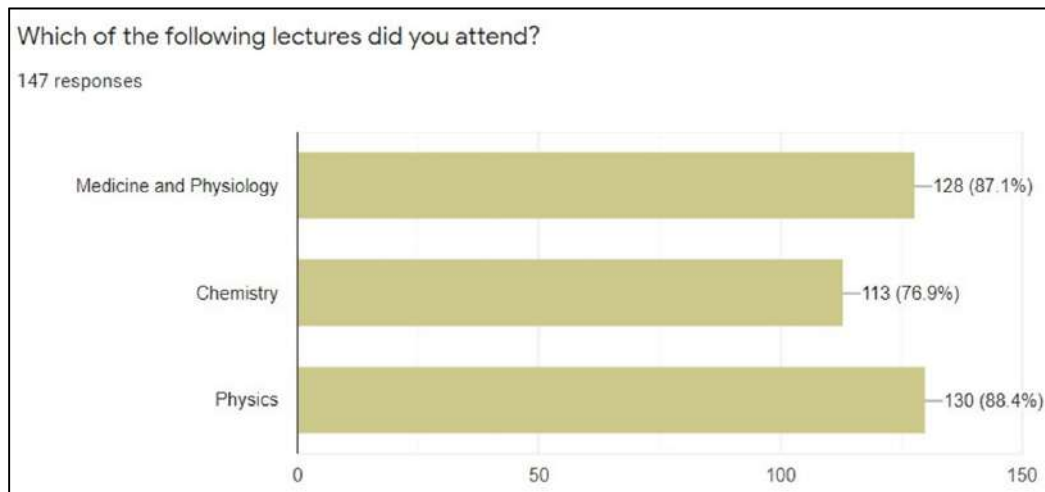
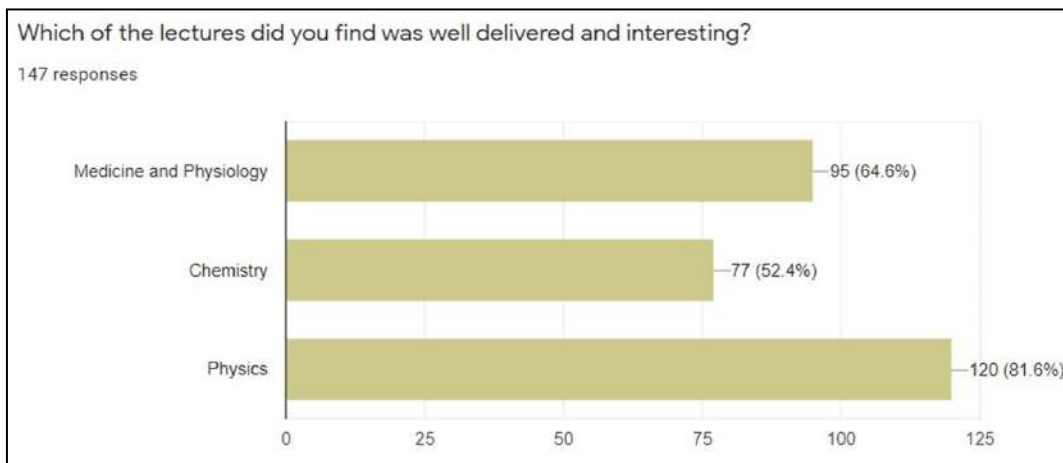
Next, he spoke about the Einstein's general theory of relativity which is about the theory of gravity & describes the whole universe. Highlighted that black hole of general relativity is an imaginary surface to which a star collapse whose radius is R_g

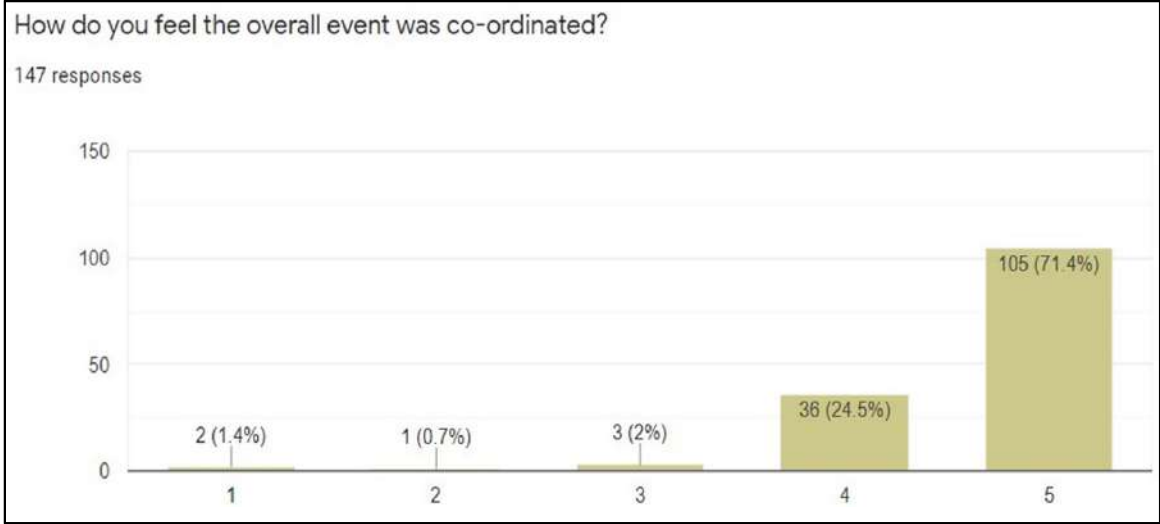
$=2GM/c^2$ & its properties. He also shed the light about something called as the **space-time singularity** present inside the black hole which was initially not accepted by most physicists like Eddington & Einstein. Later it was proved through singularity theorem by Roger Penrose & Hawking.

He concluded the lecture by posing a question was there a beginning to the universe which had remained meaningless with in the premise of science as there was no way to pose this question in a mathematically rigorous manner within the premise of science. The Penrose-Hawking Theorem made this question scientifically meaningful in a mathematically rigorous fashion. Thus begin a present revolution in Astronomy. The talk was followed by discussion and an elaborated question & answer session.

Feedback Collection:

Were received 147 responses and e-certificates were mailed to all respondents. Below are the graphical representations of the responses were received:



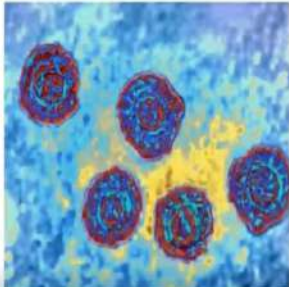



Some of the screenshots of the session

REC

Nobel Prize in Physiology or Medicine 2020

Discovery of Hepatitis C virus




Shashank Tripathi
Assistant Professor
Microbiology and Cell Biology Department,
Center for Infectious Disease Research,
Indian Institute of Science, Bengaluru, India

Yuvaraja's College_ Molecular Biology

Yuu | 226 others

REC

Significance of this Nobel Prize-awarded discovery

Sensitive Hepatitis C virus tests Global inequities remain Effective anti-viral drugs

Meghana J | 186 others

12:55

REC

Homologous recombination

The diagram illustrates two pathways for homologous recombination. Pathway A, 'Gene targeting', shows a 'Targeting vector' with a 'neof' gene and 'homologous' regions. It targets a 'Target gene' with 'homologous' regions, leading to 'Homologous recombination' and the formation of a 'Modified gene' where the 'neof' gene is integrated. Pathway B, 'Random integration', shows the same 'Targeting vector' integrating into a 'Random gene' with 'homologous' regions, also leading to 'Homologous recombination' and the formation of a 'Random insertion'.

Chandra shekar. P

You
Akshar
C
Chandra
D S
136 others

3:00

REC

General Theory of Relativity

Rate of ticking of a clock is affected by the gravitational potential.

- Since gravity is stronger on the ground than on top of the mountain, the clock on the ground will tick **SLOWER**.
- GPS satellites carry very precise atomic clocks. Identical atomic clocks on the ground will tick slower than the satellite clocks. This effect has to be taken into account in a GPS RECEIVER!!!

Ganesan Srinivasan

You
Devaki
Y
139 others

1 January 2021

Prepared by: Kavyashree N. & Inchara R., 4th Year Int. M. Sc. Molecular Biology, Yuvaraja's College, Mysuru.



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Women Empowerment Cell and IQAC

Special Lecture on
Is Women Empowerment a Myth or Reality
(ಮಹಿಳಾ ಸಬಲೀಕರಣ ಒಂದು ಕಲ್ಪನೆ ಮಾತ್ರವೇ?)

Invited Talk
by

Dr. Swarnamala Sirsi
(Retd. Professor, Yuvarajas College, Mysore)

Organised by Women Empowerment Cell and IQAC
Yuvaraja's College, Mysore

All Faculty Members and Students are requested to attend

Dated: 25-02-2021: Thursday - Time: 11.30 AM

Venue: Einstein Hall, Yuvaraja's College, Mysore

All are cordially invited

Dr.H.C.Devaraje Gowda
Administrative officer

Dr. H.B. Mahesha
Controller of Examinations

Prof. B.N. Yashodha
Principal

Report on women empowerment lecture by Dr. Swarnamala Sirsi

The women empowerment cell and IQAC Yuvaraja's college, Mysore conducted an awareness programme on "Is women Empowerment a myth or reality?" on 25-02-2021 at Einstein hall, Yuvaraja's college, Mysore. The lecture was organized with a view to take up women's issues and problems like gender sensitization, sexual harassment, domestic violence. It aimed at creating awareness of the rights and duties. Added to it suggestions for improvement and empowerment among themselves had been given. The programme started with welcome address by Dr. Ruby Salestina Associate Professor mathematics department, Yuvaraja's College, Mysore. Dr. Swarnamala Sirsi, Retd. Professor, Yuvaraja's college, Mysore was invited to talk on the topic "Is women Empowerment a myth or reality".



She started with a quiz regarding gender ratio comparison such as male to female sex ratio, literacy rate, male to female work force participation, female feticide. She also addressed the fourth most common crime against women in India-Rape. at least one rape is reported every 16 minutes in India among these, victims who do report the assaults are alleged to suffer mistreatment and humiliation from the police. Most rapes go unreported because the rape victims fear retaliation and

Humiliation. She highlighted the need for empowering women at the work place. Due to gender norms, working women, often faced difficulties and challenges there by necessitating the need for protective measures that's a figured women's rights and safety.



She accentuated on how women are portrayed as sexually promiscuous out to entrap men in every religion. She foregrounded the fact that women empowerment is beneficial for both men and women and when women are living safe, fulfilled, and productive life they can reach full potential. Empowering women is essential to the health and social development of families, communities and countries. She urged the women to be career oriented. Her lecture was concluded by Q&A session. One of the attendee raised a question related to women's clothing. Does woman's attire really provoke? Are women clad in sarees and burqa's not raped? To which she replied that pathology is an obsession for sex. Another reason is the desire to control and assert power.



The programme was followed by Prof. B.N. Yashodha, Principal, Yuvaraja's college to Resolve the issues raised by the attendees related to women's sanitary needs in the campus.



The programme was concluded with vote of thanks by Dr. Ruby Salestina.

Feedback:

The lecture was immensely beneficial. It helped me understand educated women can literally contribute a lot to one's life, society and country. It made me realize empowering women is not a one-step solution. Upbringing the kids a like right from the young age is a step forward for gender equality.

Report of National Science Day Celebration by Science Forum, Yuvaraja's College, Mysuru

Speaker: Dr. Rashmi.H.B., Assistant Professor, Dept. of Post Harvest Technology, College of Horticulture, Mysuru

Topic: Intervention of Science in Entrepreneurship Development in fruits and Vegetables Processing Sector

1st March 2021 at 11.30 AM at Eisenstein Hall, YCM

Organized by: Department of Molecular Biology and Science Forum, Yuvarajas College, Mysuru.

The talk was arranged as a part of Science Day Celebrations. It lasted for an hour in which the speaker emphasized the importance of entrepreneurship in fruits and vegetable processing sector. Around.....people attended the talk. Among the audience were students, faculties, Principal, YCM and other dignitaries.

The talk started with the present scenario that there is a need of nutritious diet for health care. To feed the growing population, production must be enhanced by diversifying and optimizing the utilization of resources, creation of technology based and farmer centric science led development. To tackle this problem, speaker said Horticulture is the best option as it complements the food, nutrition and health care. To draw public attention is the key role of fruits and vegetables in human nutrition, food security and health United nation has declared 2021 has 'International year of fruits and vegetables'. This also emphasizes the need of intake of F&V's as they are good sources of dietary fibre, vitamin, minerals and beneficial photochemical.

In the next part, opportunities and scope for entrepreneurs were discussed. India is known as fruit basket of the world, second largest producer in the world where F&V's constitutes a major part of the worlds economy as well as raw materials for many industries. Demand for horticulture produce is constantly rising in India. As a result of it Indian horticulture has become globally competitive. Its the largest producer, consumer and exporter of spices. The important hurdles to be tackle dare the minimization of post harvest losses, Value addition and nutritional improvement, Food and financial security of the people especially in rural areas. On the other hand, there are a lot of things that gears up the Indian food supply chains: increasing urbanization, nuclear families, working women, disposable income, changing lifestyles, demand for functional food, increased spend on healthy food. Even though India has got the best natural resources in the world, processing level is very low. The countries with the low productivity like Malaysia, Saudi Arabia has high processing rate compared to India which stands in eighth position when it comes to food processing.

The last part of the talk was about the ways to increase the processing rate with the help of post harvest technology. The technology stands between F&V growers and consumers. It has a lot of sub-disciplines like packaging, storage, food safety, processing etc. She also explained the supply chain management in F&V's which starts by dumping the raw material, washing, drying, Wax application, Grading, sizing and lastly sealing and shipment. Types of grading systems like dynamic quality and static quality grading system were discussed. Value addition for processed food like coconut flour, coconut chips, snow ball coconut etc. are gaining popularity in the market. She hinted that for a productive successful in the market it needs to be either traditional or innovative. The speaker concluded that the F&V sector in India is fast growing sector and presents a huge opportunity to the entrepreneurs through setting up the cold chain infrastructure and food processing units. The talk was followed by a short discussion and Q&A session.



Some Snap shots taken during the talk:



Prepared by:

Likitha. A, 1st year of B.Sc., PCM, Yuvarajas College, Mysore.

likithaa06@gmail.com

Report on the webinar- 'Einstein, Lenard, Millikan- The Trio and Photoelectric Effect'

Speaker: Prof. Sarmistha Sahu, Rtd. Professor of physics Coordinator, Ammani IAPT Anveshika, Bangalore | 28th June 2021 @ 2 PM via Google Meet and YouTube live | **Organized by: Department of Physics & Science Forum, Yuvaraja's College, Mysore in association with National Anveshika Network of India, Indian Association of Physics Teachers (IAPT).**



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Department of Physics and Science Forum

Einstein Nobel prize Centenary Year Celebration

(Conducted by National Anveshika Network of India, IAPT)



Inauguration:
Prof. B. N. Yashodha, Principal, YCM

Invited Speaker

Prof. Sarmistha Sahu

Retd. Professor of Physics

*Coordinator, Ammani IAPT Anveshika,
Bangalore*



Title

**Einstein, Lenard, Millikan - The
Trio and Photoelectric Effect**



*(Includes demonstration of experiments)

Join via Google Meet

meet.google.com/ucz-sead-svj

28 June 2021 (Monday)

@ 2:00 PM IST



YouTube Live: https://youtu.be/z_QmMgErSSc

Dr. T. Sadashivaiah, HOD &
Faculty, Dept. of Physics

Prof. N. S. Devaki
Convenor, Science Forum

Dr. R. Vidya
Coordinator IQAC

All students are requested to attend the lecture

*e-Certificate of attendance will be issued to all participants.

Images: Internet

The event is commenced by warm welcome speech by Prof. B. N. Yashodha, Principal of Yuvaraja's College and Prof. T. Sadashivaiah explained briefly about the concept "Photoelectric Effect". Then Likhitha introduced our honorable guest Prof. Sarmistha Sahu, Rtd. Professor of physics Coordinator, Ammani IAPT Anveshika, Bangalore. About 130 students participated virtually in the programme.

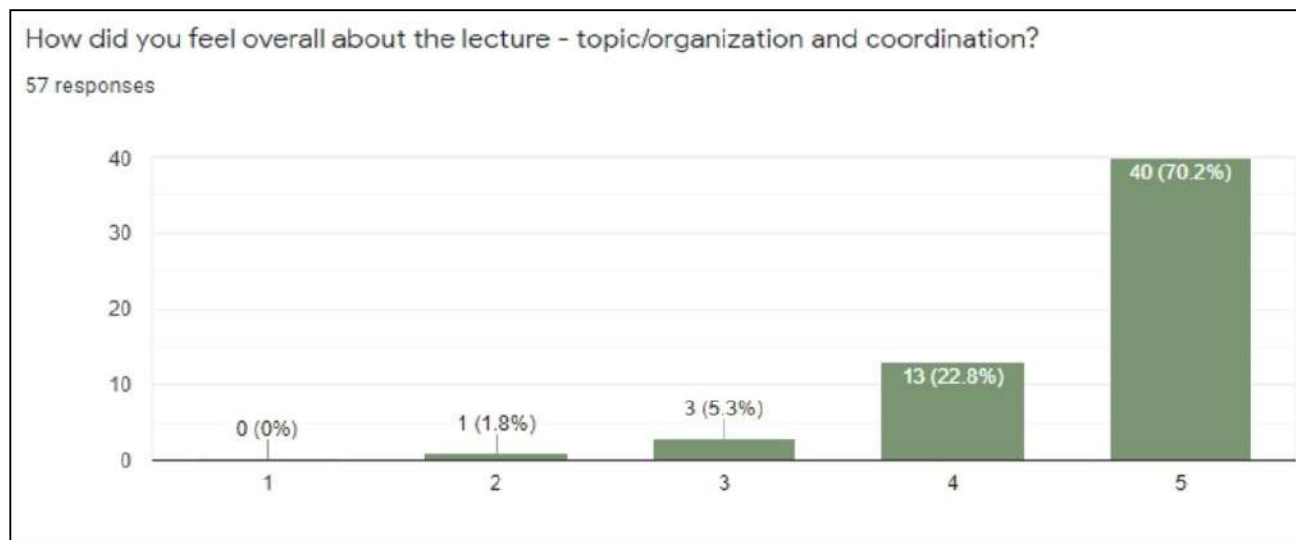
Our speaker Prof. Sarmistha Sahu started her informative talk with encouraging the students to interact with her. She said that Prof. H.C Verma, Rtd. Professor of IIT Kanpur is the head of all the programs which inspires the students to love physics and science.

Following are the highlights of the talk:

- Lenard, Einstein and Millikan got Nobel Prize for the theory and experiments on Photo Electric effect.
Phillip Lenard-1905 Einstein-1921
Millikan-1923
- Photo electric effect is the phenomenon in which electrons will release when light falls on a metal body.
- Preparing a tool to observe the photo electric effect by scraps.
- This model works as gold-leaf electroscope.
- It consisted of aluminium instead gold.
- When a charged body interact with the aluminium plate, the strips will move apart from each other due to repulsion of same charge.
- We can use ultraviolet radiation instead of charged body.
- Henrich Hertz is a first scientist who observed the emission of electrons when some radiation falls on the metal body. Also, he introduced an device which we can observe it.
- Hallwach and Phillip Lenard are the co-workers of Hertz.
- Gold leaf electro scope is the device introduced by Hallwach.
- Phillip Lenard measured the kinetic energy of ejected electrons. Also, he showed that the kinetic energy of electrons does not depends on the intensity of light and he explained about stopping potential.
- Lenard invented a device which can detect the production of current. But he couldn't explain anything about his experiment with the idea of electromagnetic wave nature of light.
- So, the idea of, light made up of particles was introduced by Einstein.
- Einstein published 4 papers in 1905. They are, special theory of relativity, Brownian motion, relationship between mass and energy and photoelectric effect.
- Einstein told light is not wave, but it is a particle with energy, $E=h\gamma$ (γ is frequency and his some constant.)
- Heprovedkineticenergyofelectronsdependsonfrequencyofradiation. $h\gamma=W+1/2mV^2$
(Where is the work function)
- Millikan worked for 9 years to disprove Einstein's theory. But luckily at the end of his work he showed Einstein's theory is correct.
- Millikan gave a clear idea about stopping potential. So ,he got Nobel Prize for this proper finding.
Science Forum Yuvaraja's College, Mysuru
Finally, Prof. Sarmistha Sahu ended the her talk with an elaborated question and answer session with students.

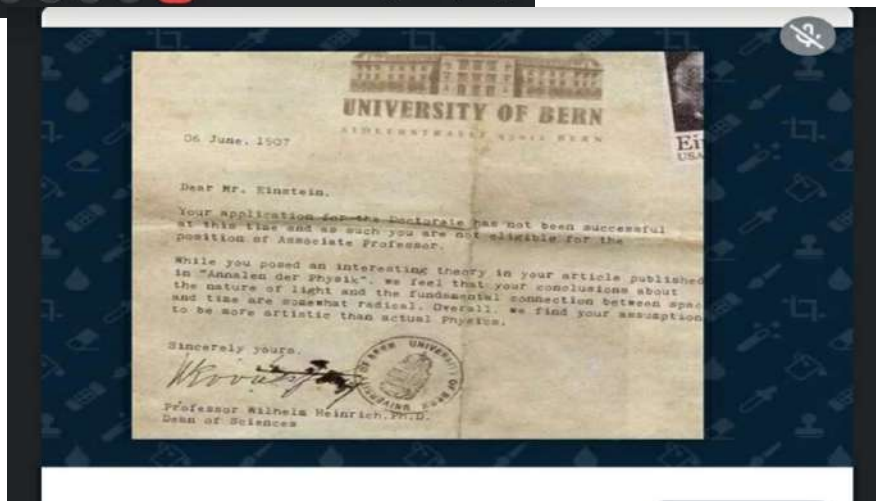
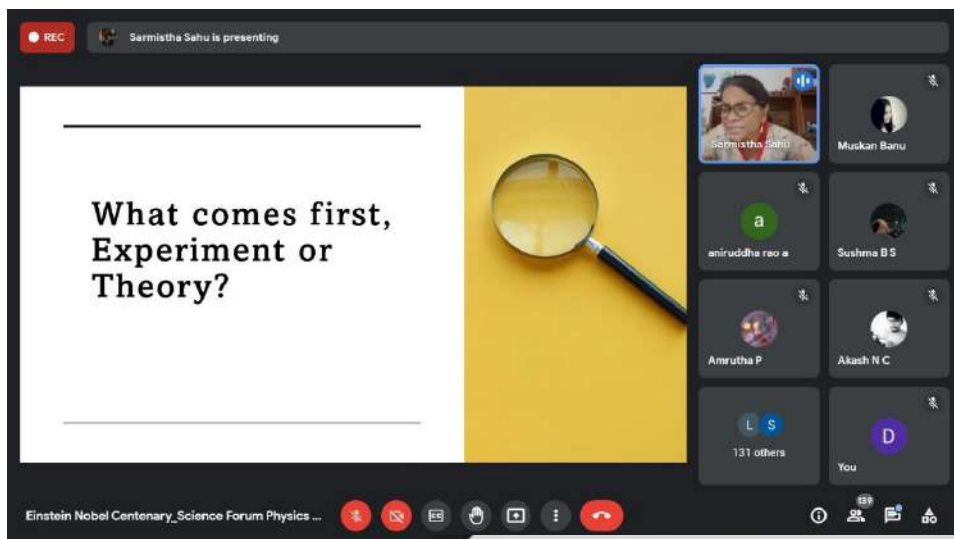
These session was concluded by vote of thanks by Prof. Devaki N S, Yuvaraja's College.

We also obtained feedback from students through Google form. We also received some suggestions for our future lecture topics in Physics such as Thermodynamics and Quantum Mechanics. e-Certificate of attendance were issued to all those who filled the form.



Some screenshots of the session





Report by: **Pratima Bhat**, 1st year B.Sc.(PCM), Yuvaraja's College, Mysuru.

Programs Organized by the Department of Food Science and Nutrition during the Year 2020-21

| Sl. No. | Webinar/Seminar/Symposium | Topic | Date | Resource person | Venue |
|---------|---------------------------|---|------------|--------------------------------|----------------|
| | National webinar | National Nutrition Week Eat Right Bite by Bite | 07.09.2020 | Dr. Anitha C | Online Webinar |
| | National webinar | Nutrition Concepts in Traditional Practices | 12.09.2020 | Dr. Lakshmi Narayana Shenoy | Online Webinar |
| | National Webinar | Food for Strategic Situations | 30.09.2020 | Dr. K. S. Premavalli | Online Webinar |

Science Forum Yuvaraja's College, Mysuru

| | | | | | |
|--|-------------------------------|--|------------|-----------------------------|------------------------------|
| | Oral presentation competition | World Food Day-2020 Grow Nourish, Sustain, Together- Our Actions are Our Future | 15.10.2020 | Students | Online |
| | National Webinar | Grow Nourish, Sustain, Together- Our Actions are Our Future | 16.10.2020 | Dr. Sushma Appiah | Online Webinar |
| | National Webinar | World Vegan Day 1 st Nov. Veganism –Good for man and Good for Earth | 03.11.2020 | Dr. H. S. Prema | Online Webinar |
| | National webinar | Strategies for Cancer Prevention and Survival | 07.11.2020 | Dr. Prasanna Santhekadur | Online Webinar |
| | Special Lecture | Healthy Lifestyle | 24.02.2021 | Dr. Ashok Varshney | IoESeminar hall, MGM, Mysore |
| | National webinar | World Autism Awareness Autism Spectrum Disorders | 02.04.2021 | Dr. HanumanthacharJoshi | Online Webinar |
| | National webinar | World Health Day-2021 Ayurvedic Concepts for Healthy Living | 07.04.2021 | Dr. Lakshmi Narayana Shenoy | Online Webinar |

Webinar/Special lecture conducted by department of Statistics: Department of Statistics organised two webinars (Lecture series):

Data Analysis Lecture Series-1 conducted on 11-07-2021 and Data Analysis Lecture Series-2 conducted on 01-08-2021 Mr. Yoganand, Data scientist, Enquero, Bangalore introduced students and participants the world of data science in IT field. He started his interaction with Introduction to python, installation of Anaconda , Kaggle notebook and Jupyter. Beta note book simple library and pandas library application of number file were discusses. **Anaconda** Distribution equips individuals to easily search and install thousands of **Python/R** packages and access a vast library of community content and support. Panda simple codes like creating an array, matrix etc and guidance regarding some activity in the Kaggle world given to students. Most students were interested In creating their account in the Kaggle assignment kind of thing was given to the students where they were explore small data set available in the Kaggle and come up with suitable statistical analysis on that.

Students gained the real application of statistical techniques and additional knowledge of different software's to peruse their carries in IT field.

National Nutrition Week and PoshanMaha2020, 7th September, 2020

The department of Food Science and Nutrition in association with Nutrition Society of India, Mysore chapter and International Consortium for Ayurveda, Nutrition and Food Technology organized a series of webinars on the account of National Nutrition Week and Poshan Maha 2020. The first webinar of the series was head on 7th September, 2020 between

17:00-18:30. The program was started by invocation by the student, followed by welcome speech by Head of the Department, an introduction of the speaker was given. The resource person **Dr. Anitha C.** delivered an excellent talk by educating the benefits of “**Eat bite by bite**”. The speaker also mentioned the benefits of the same and shared her knowledge among the faculties, UG and PG students. The program was ended by vote of thanks by one of the faculty members.

National Nutrition Week and PoshanMaha2020, 12th September, 2020

The department of Food Science and Nutrition in association with Nutrition Society of India, Mysore chapter and International Consortium for Ayurveda, Nutrition and Food Technology organized a series of webinars on the account of National Nutrition Week and PoshanMaha 2020. The second webinar of the series was held on 12th September, 2020 between 11:00-12:30. The program was started by invocation by the student, followed by welcome speech by Head of the Department, an introduction of the speaker was given. The resource person **Dr. Lakshmi Narayana Shenoy** delivered an excellent talk on “**Nutrition Concepts in Traditional Practices**”. The speaker also mentioned about traditional practices, their usage and the importance. The knowledge shared by the speaker was benefited among the faculties, UG and PG students. The program was ended by vote of thanks by one of the faculty members.

National Nutrition Week and PoshanMaha2020, 30th September, 2020

The department of Food Science and Nutrition in association with Nutrition Society of India, Mysore chapter and International Consortium for Ayurveda, Nutrition and Food Technology organized a series of webinars on the account of National Nutrition Week and PoshanMaha 2020. The first webinar of the series was held on 30th September, 2020 between 17:00-18:30. The program was started by invocation by the student, followed by welcome speech by Head of the Department, an introduction of the speaker was given. The resource person **Dr. K. S. Premavalli** delivered an excellent talk on “**Food for Strategic Situations**”. The speaker educated the participants by sharing her knowledge about the topic. The faculty members, UG and PG students and participants were benefited from the program. The program was ended by vote of thanks by one of the faculty members.

World Food Day –2020, 15th October, 2020 and 16th October, 2020

On the account of World Food Day 2020, the department of Food Science and Nutrition in association with Nutrition Society of India, Mysore chapter, ICANFT and NetProFaN has organized student oral presentation competition and national webinar. The virtual oral presentation was held for two categories viz., UG students and PG students. The presentations were conducted on 15th October, 2020 from 12:30pm. The program started by invocation followed by welcome speech by Head of the Department. Many students participated enthusiastically. The student participants were benefited by the program by sharing their knowledge. The best presentation among both the categories was awarded with a certificate. The session ended with a vote of thanks by one of the faculty members.

The department of Food Science and Nutrition in association with Nutrition Society of India, Mysore chapter and ICANFT and NetProFaN organized a webinar on the account of World Food Day 2020. The webinar was held on 16th October, 2020 between 11:30-13:00. The program was started by invocation by the student, followed by welcome speech by Head of the Department, an introduction of the speaker was given. Every year, WHO announces a theme for World Food Day. The department planned to organize a webinar on the theme announced by WHO during the year 2020. The resource person **Dr. Sudeepa Mysore** delivered an excellent talk on “**Grow Nourish, Sustain, Together- Our**

Actions are Our Future". The speaker also mentioned the benefits of the same and shared her knowledge among the faculties, UG and PG students. The program was ended by vote of thanks by one of the faculty members.

World Vegan Day 1st Nov 2020, held on 03rd November, 2020

The department of Food Science and Nutrition in association with Nutrition Society of India, Mysore chapter and ICANFT organized a webinar on the account of World Vegan Day 2020. The webinar was held on 03rd November, 2020 between 12:00-13:00. The program was started by invocation by the student, followed by welcome speech by Head of the Department, an introduction of the speaker was given. The resource person **Dr. H. S. Prema** delivered an excellent talk on "**Veganism- Good for Man, Good for Earth**". The speaker discussed the importance of veganism. Also, she mentioned the benefits of veganism to the human and environment. The speaker shared her knowledge among the faculties, UG and PG students. The program was ended by vote of thanks by one of the faculty members.

National Cancer Awareness Day – 2020 7th November, 2020

The department of Food Science and Nutrition in association with Nutrition Society of India, Mysore chapter and ICANFT organized a webinar on the account of World Vegan Day 2020. The webinar was held on 7th November, 2020 between 12:00-13:00. The program was started by invocation by the student, followed by welcome speech by Head of the Department, an introduction of the speaker was given. The resource person **Dr. Prasanna Santekadur** delivered an excellent talk on "**Strategies for Cancer Prevention and Survival**". He explained in depth about the cancer and its prevention. He also mentioned about the survival of the patients after treating them for cancer. The speaker shared his knowledge among the faculties, UG and PG students. The program was ended by vote of thanks by one of the faculty members.

Special Lecture on 24.02.2021

The department of Food Science and Nutrition and IQAC, Yuvaraja's College, UoM, Mysore in association with Aroghya Bharathi, Mysore Unit has arranged a special lecture program on "**Healthy Life Style**" held on **24.02.2021 at IOE Seminar Hall**. The principal of the college was invited. The program started by watering the plant and invocation, followed by welcome note by the Head of the Department. The principal delivered her presidential speech. The technical session begun with a brief introduction of the speaker **Dr. Ashok Varshney**. The speaker delivered a talk on "Healthy life style" by discussing its benefits for human health. The students of the department and all the participants were benefited by the program. The program ended with a vote of thanks.

World Autism Awareness Day- 2021, 02nd April 2021

The department of Food Science and Nutrition in association with Nutrition Society of India, Mysore chapter, ICANFT and Aroghya Bharathi organized a national webinar on the account of World Autism Day 2021. The webinar was held on 02nd April 2021. The program was started by invocation by the student, followed by welcome speech by Head of the Department, an introduction of the speaker was given. The resource person **Dr. Hanumanthachar Joshi** delivered an excellent talk on "**Autism Spectrum Disorders**". He explained in brief about the autism disorder. The speaker shared his knowledge among the faculties, UG and PG students. The program was ended by vote of thanks by one of the faculty members.

The department of Food Science and Nutrition in association with Nutrition Society of India, Mysore chapter, ICANFT and Aroghya Bharathi organized a national webinar on the account of World Autism Day 2021. The webinar was held on 07th April 2021. The program was started by invocation by the student, followed by welcome speech by Head of the Department, an introduction of the speaker was given. The resource person **Dr. Lakshmi Narayana Shenoy** delivered an excellent talk on “**Ayurvedic concepts for Healthy Lifestyle**”. He explained in brief about the ayurvedic concepts. The speaker also discussed the incorporation of ayurvedic concepts for management of health and lifestyle. The speaker shared his knowledge among the faculties, UG and PG students. The program was ended by vote of thanks by one of the faculty members.

Department activities of department of Management Sciences

Workshop on personality development on 28-01-2020

Organized by CPDPS, IQAC AND DEPARTMENT OF MANAGEMENT SCIENCE

As a part of student development program a workshop on personality development was organized by CPDPS, IQAC AND Department of Management Science on Tuesday 28-01-2020 from 10.30-5.30 at MBA II class room. The resource person of the session was Mr. Emmanuel who highlighted on Goal setting, Time Management, Stress Management, Etiquette, body language, confidence Building and tips to face interview.





2nd World Entrepreneurship Summit on 8/2/2020

IV Semester Students were taken to 2nd World Entrepreneurship summit organized by MTC Global in association with Dept. of Management Science at New Horizon College of Engineering, Bangalore. It was aimed to promote Go- Green concept and sustainable development among students. Resource persons from various fields like sports, medical field, software, environment, IT delivered lectures on sustainable development.

Science Forum Yuvaraja's College, Mysuru

Interactive session on budget was held on 11/2/2020

The interactive session on Budget 2020 was held on 11/2/2020. Students of IV semester MBA Mr. Suman. S and Mr. Chinnappa A.T. gave a over view of union budget 2020-21. They focussed on to corporate sector and service sector relating to income and expenditure. All the IV semester MBA students participated actively in the discussion.

Investors awareness program held on 26-02-2020

A financial literacy investor awareness program was held by the Department of Management Science at MBA class room II between 11.30-12.30 on wednesday 26-02-2020. The Financial Literacy Advisory Body India and National Institute of Securities Market (a SEBI promoted Body) intends to promote financial education by conducting a financial literacy/investors awareness learning sessions for employees and students of Yuvrajas College (Autonomous) University Of Mysore, Mysore. The resource person Mrs Pracheta M Chartered Accountant and Company Secretary, is a member of ICSI, ICAI and ASB of ICSI. It was an ice breaking session with topics on different investment avenues, their comparative study and special reference to mutual funds giving detail description, merits, schemes and so on.

Webinar on Global Tax Challenges arising from digitalization

Webinar on Global Tax Challenges arising from digitalization was help on

Webinar on Fake News

Webinar on Fake News was held on 7/12/2020.Resource person Dr. Sapna Naik.

A webinar was help on 10/6/2021

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*Department of Management Science
Organising
Special Lecture on:*

**Agency Conflicts & Information
Asymmetry -
A Corporate Perspective**

RESOURCE PERSON:

Dr. R. Mahesh
Professor
BIMS, UOM, MYSORE

All are Cordially welcome to join:



Dr. B.N. Yashodha
Principal
Yuvaraja's College Mysore

Dr. C. Sumangala
Professor & Head
Department of Management Science
Yuvaraja's College Mysore

Date: 10th June 2021
Time: 11:00am

Platform:
Zoom Meeting:

A webinar was held on 16/6/2021


 UNIVERSITY OF MYSORE
YUVARAJA'S COLLEGE
(Constituent Autonomous College with Potential for Excellence)
Accredited 'A' grade with CGPA 3.34 by NAAC
J.L.B. Road, Mysuru - 570 005, Karnataka, India 

*Department Of Management Science
Organising
Special Lecture On:*

**Industrial Disputes Act:- 1947
Employees State Insurance Act:- 1948
Workmen's Compensation Act:- 1923**

RESOURCE PERSON:

J. Purushotham
Advocate and
Legal Consultant




All are Cordially welcome to join:

Dr. B. N Yashodha
Principal
Yuvaraja's College Mysore

Dr. C. Sumangala
Professor and Head
Department of Management Science
Yuvaraja's College Mysore

Date: 16/06/2021
Time: 10:30am to 11:30am

Platforms:
Google Meet: 

A webinar was held on 17/6/2021

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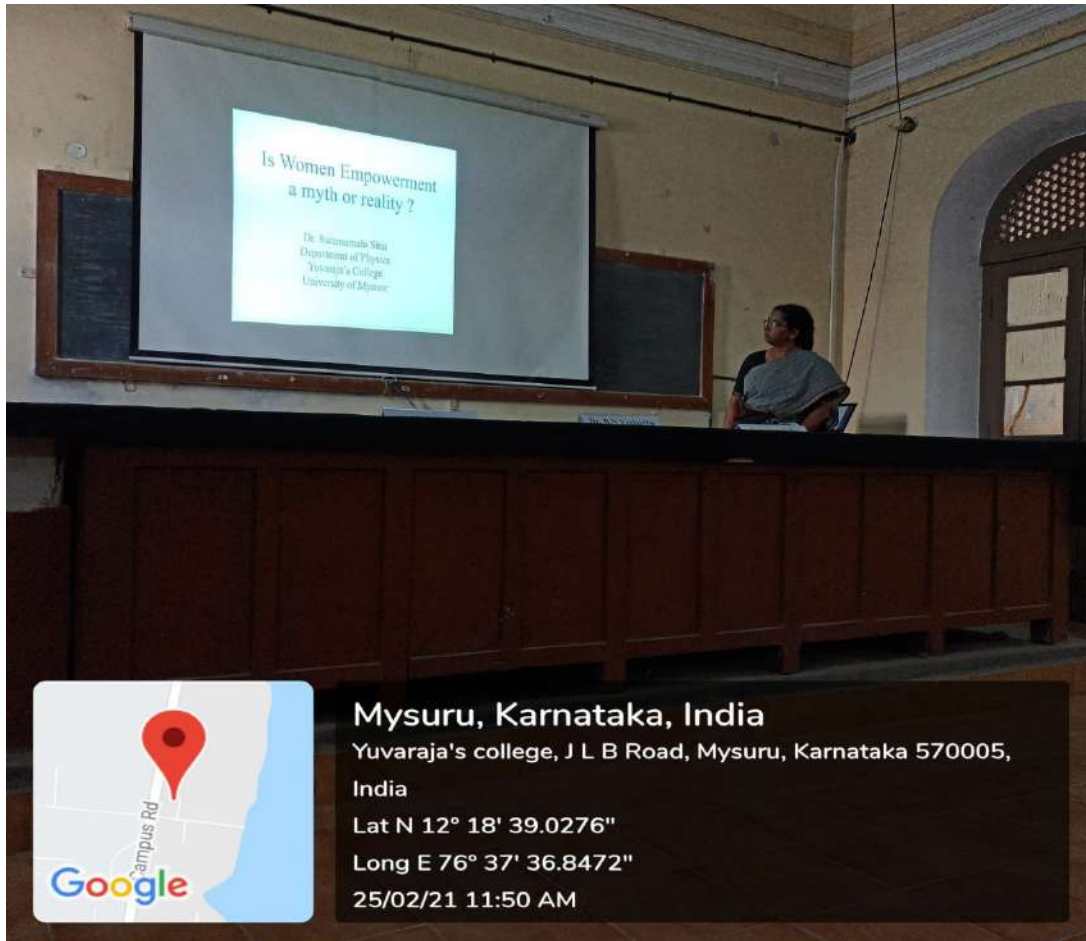
Date: 17/06/2021
Time: 10:30am to 11:30am

Platform:
Google Meet: 

The college organized a special lecture on 25-02-2021 on the theme **Is women Empowerment a Myth or Reality** By Dr Swarnamala Sirsi, Retd. Professor, Yuvaraja's College Mysore.



Science Forum Yuvaraja's College, Mysuru



A State level Webinar on **Gender Equality and Women Empowerment a Global Issue** held on 11/9/2021

Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

The college celebrates constitution day every year. This year the college celebrated the constitutional day on 26/11/2020 .The programme initiated with reading of the constitution followed by lectures on the sensitization of students on responsibility towards the constitutional values, rights, duties and responsibilities of citizens



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Organising By:
*Department of Management Science &
Internal Quality Assurance Cell (IQAC)*

**State Level Webinar on:
"Gender Equality and Women
Empowerment a Global Issue"**

RESOURCE PERSON:



Dr. Dharani Devi Malagatti
Deputy Director
Karnataka Police Academy
Mysore.

All are Cordially welcome to join:

Dr. B N Yashodha
Principal
Yuvaraja's College Mysore

Dr. H C Devaraje Gowda
Administrative officers
Yuvaraja's College Mysore

Dr. R Vidya
Coordinator, (IQAC)
Yuvaraja's College Mysore

Convenor :- HOD & Faculty Members, Department of Management Science
Yuvaraja's College Mysore

Date: 11/09/2021
Time: 06:30 pm to 07:30 pm

Platform: Google Meet
Meeting Link:
<https://meet.google.com/myj-gihv-jxf>
Meeting ID: myj-gihv-jxf

A State level Webinar on **Gender Equality and Women Empowerment a Global Issue** held on 11/9/2021

116th Birth Anniversary of Kuvempu



Savitribai Phule birthAnniversary



AJADI KA AMRUTH MAHOTS(A Swachhta Abhiyaan)
Science Forum Yuvaraja's College, Mysuru



Science Forum Yuvaraja's College, Mysuru

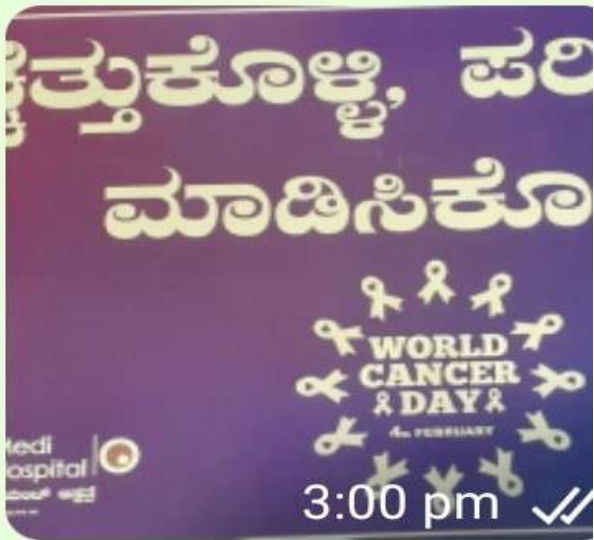


GandhiJayanti(Awareness of Law and Order)





World Cancer day



Science Forum Yuvaraja's College, Mysuru



| NSS May 2020 To August 2021 | | | | |
|---|---|------------------------------|---------------------------------|---------------------------------|
| Title Of The Activities | Organising Unit/Agency/ Collabourating Agency | Date | Number Of Teachers Participated | Number of Students Participated |
| International Yoga Day - 21st June'2019 | Mysore City Corporation & DC Office of Mysuru | 21/06/2020 | 15 | 89 |
| Corona Warriors | Mysore City Corporation & DC Office of Mysuru | 7th August To 24th Sept'2021 | 2 | 7 |
| 73rd Independence Day | NSS & NCC Units of Yuvaraja's College, Mysuru | 15/08/2020 | 125 | 35 |
| Planting Fruit Plants' Programme Held On 27th September'2019 | NSS Unit Yuvaraja's College, Mysuru | 25/09/2020 | 3 | 5 |
| Planting Fruit Plants' Programme Held On 27th September'2019 | NSS Unit Yuvaraja's College, Mysuru | 29/09/2020 | 25 | 15 |
| Essay Writing Competition | NSS Unit Yuvaraja's College, Mysuru | 03/10/2020 | 2 | 20 |
| Rtper Testing For Covid-19 For Teaching & Non-Teaching Staffs | NSS Unit Yuvaraja's College, Mysuru | 18/11/2020 | 145 | 8 |
| Constitution Day Celebration | NSS Unit & Yuvaraja's College, Mysuru | 26/11/2020 | 25 | 3 |
| Republic Day Celebration | NSS & NCC Unit Yuvaraja's College, Mysuru | 26/01/2021 | 112 | 35 |

YUVARAJA'S COLLEGE MYSORE NCC ANNUAL REPORT ACEDEMIC YEAR 2020-2021

Yuvaraja's College one of the four constituent Colleges of the University of Mysore is rich in history. It was first established as an Intermediate College on 24th June 1928 and in the year 1947-48, after Independence, the college was upgraded to a First Grade College. The University Grants Commission conferred Autonomous Status to the college in the year 2005 and it was extended up to 2020 in the year 2012. Over the years the college has endeavored to achieve and maintain academic excellence through research, teaching, and extension activities. Currently, it offers various academic programs leading to B.Sc., BCA, BBA, Integrated M.Sc., M.Sc., M.A., M.B.A., and Ph.D. degrees. In recognition of its student cum community- centered innovative academic and extension programs, the institution was conferred the status of College with Potential for Excellence in 2010. Quality enhancement and sustenance being the hallmark of this institution is further proved during the third cycle of reaccreditation by

NAAC in December 2015 at 'A' Grade with an upgraded CGPA of 3.34. Ever since its inception, this college has been known for quality education. The College has produced a galaxy of eminent and committed teachers, scientists, politicians and administrative officers who made their name both in India and abroad and contributed their strength in taking this institution to great heights.



The college has an active participation of students in all the three wings of NCC Army, Navy and Air force. The college has a total of 108 Cadets actively taking part in all the activities being conducted across the three wings. The Kashmir War of 1948 taught a very important lesson to India, that freedom needs to be protected by strong Armed Forces. Its immediate manifestation was that the recommendations of Kunzuru committee were placed before the Constituent Assembly (Legislature) on 13 Mar 1948. A draft Bill was sent to the Constituent Assembly (Legislative) on 19 Mar 1948, which evoked great interest and enthusiasm amongst all members. After due deliberations and amendments, the Bill was passed by the Assembly on 08 Apr 1948. The Central Government accepted the opinion of the Provincial Government and the Standing Committee's recommendations for the formation of a Cadet Corps which was to be named as "National Cadet Corps", as recommended by the Kunzuru Committee. The schools and colleges opened after summer vacation and the NCC of Independent India was inaugurated on 15 Jul 1948. The journey of this Indian youth organization, which has now become the largest uniformed youth organization in the world had begun with the below aims in mind

- To Create a Human Resource of Organized, Trained and Motivated Youth, To Provide Leadership in all Walks of life and be Always Available for the Service of the Nation.
- To Provide a Suitable Environment to Motivate the Youth to Take Up a Career in the Armed Forces.
- To Develop Character.



Comradeship, Discipline, Leadership, Secular Outlook, Spirit of Adventure, and Ideals of Selfless Service amongst the Youth of the Country:

The college through NCC has upheld the aims of NCC and has been tremendously successful in imparting and educating the youth a sense of UNITY AND DISCIPLINE which also happens to be the motto of NCC. The college has been producing quality citizens throughout its existence and has produced Teachers, Politicians, Social workers, Entrepreneurs and leaders in all walks of life.

ENROLMENT of STUDENTS as NCC CADETS:

Eligibility Conditions

- 1) Citizen of India.
- 2) Bearing good moral character.
- 3) Enrolled in an educational institution.
- 4) Meets the prescribed medical standards.
- 5) Age Senior Division/Wing (Boys/Girls) – 15 to 23 years.
- 6) Enrolment Period Senior Division/Wing (Boys/Girls) - 3 years.
- 7) Physical examination: This is first step of selection procedure. It includes run, chin-up, sit-up etc.
- 8) Written test and Interview.

9) Application for Enrolment
Science Forum Yuvaraja's College, Mysuru

- 10) A student desirous of being enrolled in the Senior Division shall apply to the ANO/ Officer Commanding of the

nearest NCC Unit.

11) Medical Examination.

TRAINING PERIOD:

Total training period for SD and SW is 3 years with an extension of 1 year permissible on exceptional condition. Every cadet has to undergo service training for a period of at least 4 hours per week during the training year. However, no training is carried out during periods when the college or school through which a cadet is enrolled is closed for a vacation. Every cadet has undergone service training for a minimum period of 75% of total hours during the annual college. Every cadet, who has completed one full year of training and is in his (second year), attends an annual training camp of 9–10 days to fulfil the eligibility for certificate exam.

CERTIFICATES and EXAMINATION:

There are 3 Certificates in NCC. Below describes about it from lower value to higher value:

- ✦ **Certificate – A (at school level):** It can be written by JD/ JW cadets of NCC, cadets of class 8 & 9. After passing those classes, it can't be obtained.
- ✦ **Certificate - B:** It can be written by SD / SW cadets of NCC, cadets after class 10 or those studying for +3 (degree). In the second year of training they can appear for the same.
- ✦ **Certificate - C:** It is the most important certificate for NCC cadet. Now it can be written in the 3rd year of training, in the 3rd year of degree course/those having 'B' certificate, can write it in the first year after his +2 and in the 1st year of degree by SD / SW cadets only.



Science Forum Yuvaraja's College, Mysuru

ACADEMIC YEAR 2020-2021



The academic year turned out to be a great as the college saw a great no of fresher students who wished to be a part of NCC across the wings as many as 450 students participated in the enrollment conducted for 13 KAR Battalion (army wing) and the 3 KAR Naval unit (Naval wing) respectively. As many as 40 new cadets among the 450 students got enrolled of which 28 students got into the army wing and the remaining 12 got selected for the naval wing. Thus in total the college boasts a total strength of 101 Cadets who have enrolled in NCC for the academic year.

| Sl. No | Unit | Wing | SD (Boys) | SW (Girls) | Total |
|--------|------------------|-----------|-----------|------------|-------|
| 1 | 13 KAR BATTALION | Army | 27 | 23 | 50 |
| 2 | 3 KAR NAVAL UNIT | Navy | 29 | 21 | 50 |
| 3 | 4 AIR SQUADRON | Air force | --- | 01 | 01 |

The cadets have been actively taking part in many activities that the organization had organized through the year, marching on the holy ground of Rajpath, to representing the nation in the Youth Exchange Program our cadets have made us proud. The cadets through the intensive training imparted by NCC have been implemented basic military training, weapon training, a sense of responsibility towards the society has been heightened, and moral and character of the cadets have been molded in such a manner that for sure will do well to our nation as good citizens of the state. The cadets have not just taken active part in the NCC activities they have also been a part of social activities such as Swacch Bharath Abhyan, Statue cleaning drives, Blood donation, Azadhi ka Amrith Mahotsav, mask distribution, food distribution and other such social activities.



Science Forum Yuvaraja's College, Mysuru

REPUBLIC DAY CAMP 2021

The Annual Republic Day Camp (RDC) is held at Garrison Parade Ground, Delhi cantonment every year from 01 Jan to 29 Jan. 2070 selected NCC cadets from all States and Union Territories attend the camp. This camp represents all parts of India and is a 'Mini India' in itself. The camp is normally inaugurated by the Vice President of India in the first week of Jan and culminates with the Prime Minister's Rally on 28 January. It is a matter of great pride for a cadet to be selected to represent his/ her state in the Republic Day Camp. The Prime Minister's Rally, the most prestigious event of the NCC Republic Day Camp is held on 28 January every year. The PM's Rally commences with the Guard of Honour presented to Hon'ble Prime Minister by NCC Cadets. Contingents from all State NCC Directorate participate in the March Past. Approximately 3,000 cadets participate in this rally wherein they display their skills in equestrian, parasailing, band display, slithering and simulated Army action. The PM's Rally culminates with award of Prime Minister's Banner to the winning Directorate by the Hon'ble Prime Minister. The events are witnessed by a number of dignitaries that include Hon'ble Raksha Mantri, Raksha Rajya Mantri, three Service Chiefs and the Defence Secretary. It is our college's pride that one of students represented the Karnataka and Goa district in RDC 2020-2021 and was a part of the Prime Minister's Rally in spite of the prevailing pandemic.

| | |
|----------------------------|--------------------------|
| Name of the Camp: | Republic Day Camp 2021 |
| Place: | New Delhi |
| Duration: | 18/12/2020 to 29/01/2021 |
| No of cadets Participated: | 01 |
| Name of cadets: | Cdt. Aniruddha Rao A |
| Course Pursuing: | 2nd Year, BSC |
| Reg. No: | KA19SDN120062 |



Combined Annual Training Camp (2021)

CATC training is the practical manifestation of institutional training. The basic aim of Camps is to introduce cadets to a regimented way of life and helps in developing camaraderie, team work, leadership qualities, self- confidence, self-reliance and dignity of labour in the cadets. The cadets are exposed to the excitement of camp life where they apply the theoretical knowledge that they had gained in Institutional Training. It is mandatory for Junior Division/ Junior Wing cadets to attend at least one camp and Senior Division/ Senior Wing cadets to attend a minimum of two camps during the period of their enrolment. NCC conducts over 1450 camps annually at an average frequency of more than 100 camps in a month. Each NCC Camp is structured for approximately 400 – 600 cadets with Instructional staff comprising three to four officers and 15- 20 Associate NCC Officers (ANOs)/ Permanent Instructors (PI) Staff/ Whole Time Lady Officers (WTLOs)/ Girl Cadet Instructors (GCIs). All the cadets of the college attended this basic training camp totally in 4 phases, in which cadets were, imparted the basic military training of all the three wings respectively. The four phases were conducted at Karnataka State Open University, Mysuru over duration of 40 days (11/12/2020- 21/12/2020). All the cadets who attended the camp fire 05 rounds of 0.22 mm Ammunition using 0.22 deluxe rifles.



The cadets were introduced to the following activities:

- Tent Pitching
- Battle craft/ Field Craft
- Firing
- Map Reading
- Army Communication
- Arms maintenance
- Handling of 5.56 INSAS, 0.22 Deluxe Rifle, 7.62 SLR
- Semaphore
- Naval Communication
- Seamanship
- Boat Pulling
- Sailing
- Chart work
- Radar Communication
- Flight Training
- National Integration
- Psychological Development
- Disaster Management
- Leadership Qualities
- Social Responsibilities



INSTITUTIONAL TRAINING



Institutional training conducted at College is the mainstay of NCC training and is conducted by Associate Science Forum Yuvaraja's College, Mysuru. The syllabus comprises Common Subjects and Service Subjects in

the ratio 70:30. The Senior Wing/Division training is for three years and has 300 periods. The training year is from 01 Apr to 31 March. Training schedules planned for cadets ensure that the optimum benefits of the organization reach maximum number of cadets. Emphasis is on practical training. Case study method of instruction, wherever possible, is made to facilitate active participation and better assimilation.

Institutional training includes basic military training to the cadets as part of the curriculum and prepares them to join the Armed Forces. It is conducted with the following specific purpose:

- Firstly, to expose young cadets to a 'regimental way of life' which is essential to inculcate in them the values of discipline, duty, punctuality, orderliness, smartness, respect for the authorities, correct work ethos, and self-confidence.
- Secondly, to generate interest in cadets by including and laying emphasis on those aspects of Institutional Training which attract young cadets into the NCC and provides them an element of thrill and excitement.
- Thirdly, to inculcate Defence Services work ethos that is characterized by hard work, sincerity of purpose, honesty, ideal of selfless service, dignity of labour, secular outlook, comradeship, spirit of adventure and sportsmanship.







Vidya
Name & Signature of the
Director/Coordinator, IQAC
Co-ordinator
IQAC
Yuvaraja's College (Autonomous)
MYSORE 570 005

J. L. L. S. S.
Name & Signature of the
Chairperson, IQAC
Principal
Yuvaraja's College (Autonomous)
University of Mysore
MYSORE-570 005

