

ABOUT YOUNG STUDENT SCIENTISTS PROGRAMME

The main aim of the scheme is to identify students who show potential and expose them to the science and research through a residential programme conducted in Jamal Mohamed College.

Method of selection

Under this scheme, 80 young students studying IX std. in Government, Panchayat and other Schools located in Trichy and Karur are selected based on the performance in science subjects.

They are given special exposure to science subjects such as :

Physics

Chemistry

Botany

Nutrition & Dietetics

Hotel Management

Zoology

Biotechnology

Microbiology

Vedic Mathematics

Statistics

Computer Science

Fashion Technology

for a period of fifteen days, free of cost, during 16th to 31st May 2022 by highly qualified faculty members of the Universities/ Colleges. The students are given theoretical instruction during morning sessions and the afternoons are spent on practical work where they are allowed to do the experiments independently.

Students can contact the resource persons of this programme for further guidance who will guide him or her in pursuing a scientific career. An exhibition of the models made by the students during the course is arranged during the valedictory function of the programme.

The students are provided with boarding and lodging at universities or colleges in the districts where the programmes are organised.

PROFILE OF THE COLLEGE

Jamal Mohamed College was founded in 1951, as an affiliated college to the University of Madras and then affiliated to Bharathidasan University, Tiruchirappalli, when it was formed in 1982. Jamal Mohamed College is situated in the central part of Tamil Nadu, Tiruchirappalli city. It was established as a religious minority institution with the primary objective of providing higher education to the downtrodden and socially backward section of the society in general and Muslim minority in particular.

The college is administered by the Society of Jamal Mohamed College. It is established in a sprawling land area of 87 acres, as a religious minority institution. Hajee M. Jamal Mohamed Sahib and Janab N.M. Khajamian Rowther , of revered memory, were the founding fathers of this institution.

In the year 1957 the college got the single honor of being bracketed with the thirty best colleges in India when Dan forth Foundation of USA selected the college for the award of study fellowships in U.S.A. In 1963 the college was elevated to the status of a post-graduate college.

In the year 1972, the college was recognized by UGC New Delhi, for the purposes of Grants under section 2(F) and 12(B) of the University Grants Commission Act 1956. In 1977, on the recommendation of the University of Madras, the UGC recognized the college as one of the ten "Lead colleges" in the university area.

The College was accredited at Five Star Level by NAAC during 2002 and conferred with Autonomous Status by UGC, New Delhi and Bharathidasan University in 2004-2005. In January 2009, the College was accredited by NAAC with A-Grade (2nd Cycle) - CGPA 3.6 out of 4.0. Our College was bestowed with the unique honour of "CPE" status Phase-I and Phase-II by the University Grants Commission under the Scheme "Colleges with Potential for Excellence" in 2011 and 2016 respectively. We retained the 'A' Grade awarded by NAAC during the third cycle of accreditation in 2015.

The college has obtained the prestigious 59th rank among Top ranking institutions in NIRF Rankings - 2019. It is remarkable to state that the college has been recognized with Three Star status by the Institutions Innovation Council (IIC), MHRD innovation cell, Government of India in 2019. Department of Science and Technology (DST), Government of India has accorded FIST Scheme to the Departments of Zoology, Botany and Physics in 2004 and to the Department of Mathematics in 2008. Again DST FIST Scheme has been extended to the Departments of Mathematics, Physics, Botany, Zoology and Computer Science in 2019. Five Science Departments such as Mathematics, Physics, Chemistry, Botany and Zoology have been short-listed after a meritorious presentation, among many competing institutions and awarded the Star College Scheme by the Department of Bio Technology (DBT) in 2020.

Over a period of 71 years the college was able to scale greater heights and raise to the present status as a multi-faculty institution with 25 UG and 20 PG courses. 19 departments of the college are functioning with the status of approved research centres. The college has a strength of around 12000 students. There are 144 Government Aided teaching faculty and 350+ staff members are working under the self finance stream. The college celebrated its silver Jubilee in 1971, subsequently the Golden Jubilee and Diamond Jubilee in 2001 and 2011 respectively.

With many milestone achievements, the College has been marching towards fulfilling marvelous plans, matching the vision and mission of our noble founders and the present Management Committee Members. “The Jamal” journey continues with all gentle Jamalians for still more greater heights of glory in higher education.

| List of Resource Person | | |
|---------------------------|---|---|
| | Forenoon 9.15 a.m. to 1.00 p.m. | Afternoon 2.00 p.m. to 5.30 p.m. |
| Date & Day | Topic & Resource Person | Practical Session |
| 16.05.2022 (Monday) | -- | YSSP- Inauguration |
| 17.05.2022 (Tuesday) | Optics and its Colours Mr. J.Umar Malik Assistant Professor of Physics Jamal Mohamed College Truchirappalli | Physics Practical |
| 18.05.2022 (Wednesday) | Domestic Product Preparation Dr.M.Syed Ali Padusha Associate Professor of Chemistry Jamal Mohamed College Truchirappalli | Chemistry Practical |
| 19.05.2022 (Thursday) | Botany – Joyful Science Dr.M.Ghouse Basha Dean of Science & HOD of Botany Dr. B.Balaguru Assistant Professor of Botany Jamal Mohamed College Truchirappalli | Botany Practical |
| 20.05.2022 (Friday) | Food, Nutrition and Hygiene Ms.D.Bhuvaneshwari Assistant Professor of Nutrition & Dietetics Mr. K.G.Rajan Assistant Professor of Hotel Management Jamal Mohamed College Truchirappalli | Nutrition & Dietetics and Hotel Management Practical |
| 21.05.2022 (Saturday) | Visit to Anna Science Centre - Planetarium, Tiruchirappalli | Origami, Drawings and Puppet Show Mr. Shanmuga Velayutham Mr.B.Ramakrishnan Mr.D.Pradeepan Assistant Professor of Visual Communication Jamal Mohamed College Truchirappalli |
| 23.05.2022 (Monday) | Biodiversity and Wildlife Conservation Dr.M.Salahudeen Assistant Professor of Zoology Jamal Mohamed College Truchirappalli | Zoology Practical |

| | | |
|---------------------------|--|---|
| 24.05.2022 (Tuesday) | Introduction to plant tissue and animal cell culture techniques Dr. S.Benazir Begum Assistant Professor of Biotechnology Jamal Mohamed College Truchirappalli | Biotechnology Practical |
| 25.05.2022 (Wednesday) | Isolation and Identification of Micro Organism Dr. N. Reehana Assistant Professor of Microbiology Jamal Mohamed College Truchirappalli | Microbiology Practical |
| 26.05.2022 (Thursday) | Vedic Mathematics Mr. M. Nagaraj Assistant Professor of Mathematics Vivekananda College Madurai | Statistics with Practical Dr.A.Mohamed Ismayil Associate Professor of Mathematics Jamal Mohamed College Truchirappalli |
| 27.05.2022 (Friday) | Visit to National Institute of Food Technology, Entrepreneurship and Management (NIFTEM), Thanjavur | Experimental Mathematics Learning at Math Lab, Jamal Mohamed College |
| 28.05.2022 (Saturday) | Fundamentals of Computers, Programming Languages & Mastering Web Applications Dr.S. Mohamed Iliyas Dr.S. Abdul Saleem Mr.M.Kamal Assistant Professor of Computer Science Jamal Mohamed College Truchirappalli | Computer Science Practical |
| 30.05.2022 (Monday) | Fashion Artista Ms. C. Manochitra Assistant Professor of Fashion Tehnology Jamal Mohamed College Truchirappalli | Fashion Technology Practical |
| 31.05.2022 (Tuesday) | Exhibition by YSSP Participants | YSSP- Valediction |

Food / Refreshment and Accommodation details

- Idly ,Dosa,Pongal and Vada have been served as breakfast
- Cooked rice, Sampar, Vegetable kootu, papad, butter milk were served , thrice in a week mutton/chicken/ fish were served in alternatively for lunch.
- Biscuit, fried ground nut, cake, kesari, and boiled cereals were served.
- Uppuma, chapatti, Idiyapam, Parota, nodules, bread and Samiya were the menu served during supper.

Accommodation details

| | Stayed at | Dining Place |
|-------|------------------------------|------------------|
| Men | Khajamian Hostel | Khajamian Hostel |
| Women | JMC Ayesha Mat.Hr.Sec. Scool | Women Hostel |

Photographs with Description / Title

Science Books distributed to the participants of YSSP



Science Books distributed to the participants of YSSP



Registration Kit for the participants of YSSP



Trophies gifted to the participants



Trophies gifted to the participants



Registration at Hussainudeen Hall on 16.05.2022



Dr. A.Nagoor Gani, Coordinator of YSSP welcomes the gathering



Coordinator of YSSP interacts with the parents



A section of YSSP participants with parents



Registration Process



Registration kit distributed to the participants





Treasurer of the Management Committee Honours the Chief Guest



Treasurer Felicitated the gathering



The Chief Guest Prof. Sultan Ahmed Ismail addresses the gathering



A Section of audience in the inaugural function of YSSP 2022





Prof. Sultan Ahmed Ismail conducts simple Science Experiments for the participants of YSSP 2022





Students gathered at physics gallery on 17.05.2022



HOD of Physics interacts with the students



Mr. J. Umar Malik Asst. Prof. of Physics explains the fundamentals of physical sciences



Participants of YSSP 2022 taking notes



Enthusiastic participants of YSSP 2022



Participants were given opportunity to explore the Physics lab and witness physics experiments





Participants of YSSP recreating at the playground





A participants interacts with Dr. A. Nagoor Gani on 18.05.2022



Participants of YSSP attending a session with keen interest



A participant of YSSP reads a book for his fellow participants



Dr. A. Asrar Ahamed, Asst. Prof. of Chemistry interacted with the students



Dr. M. Syed Ali Padusha, Assoc. Prof. of Chemistry delivered a lecture on the "Domestic Product Preparation"



Demonstrated simple chemistry experiments for the participants of YSSP





Participants of YSSP exploring the various chemical components



Dr.H.Syed Jahangir, Assoc. Prof. of Botany interacts with the students



Dr. A. Shajahan delivers a lecture



Dr.B.Balaguru made a powerpoint presentation



A section of audience at the Botany Department



Dr. K.Mohamed Rafi explains the scope of Botany in our Life



Students interacts with Dr. Shajahan



Dr. A. Aslam interacts with students



Dr. R. Syed Moideen demonstration



Dr. R. Radhakrishnan explains the concepts in Botany



A participants is exploring the Microscope



Participants of YSSP witness the experiements in Botany Lab



Participants of YSSP exploring the Microscope



Attending the lecture of Botany Professors





**Dr. R.Sathis Kumar, Asst. Prof. of Botany explains the Fundamentals of Botany to the Participants
Dr.R.Srinivasan, Member Secretary, TNSCST Visit on 19.05.2022**



The Member Secretary interacts with the students participants





Dr.S.Ismail Mohideen, Principal interact with the students





Secretary & Correspondent with the Member Secretary of TNSCST with Professor of our College



Dr. S. Ismail Mohideen addresses the gathering on 19.05.2022



A Section of Participants in the YSSP



Feedback given by the student participants of YSSP



Feedback given by the student participants of YSSP



Feedback given by the student participants of YSSP



Feedback given by the student participants of YSSP



Dr. R. Srinivasan, Member Secretary of TNSCST addresses the gathering on 19.05.2022



Dr. R. Jahir Hussain, Head (i/c), Department of Mathematics delivers a talk in the YSSP

20.05.2022 - Nutrition & Dietetics and Hotel Management



Participants of YSSP in the midst of Book reading



Chef K.G. Rajan interacts with the students



Participants of YSSP attends a lecture on Food Hygiene



Ms. D. Bhuvaneshwari, Assistant Professor of Nutrition & Dietetics delivers a lecture on Food & Nutrition



Student participants having tea in the Break





21.05.2022 Visit to Anna Science Centre- Planetarium, Trichy



Student Participants of YSSP were taken to Anna Science Centre- Planetarium, Trichy





Tiruchirappalli, Tamil Nadu, India
QP93+QFG, Pudukottai Main Rd, Airport, Tiruchirappalli, Tamil Nadu 620007, India
Lat 10.768852°
Long 78.703398°
21/05/22 10:14 AM



Tiruchirappalli, Tamil Nadu, India
QP93+GFJ DINOSAUR PARK, Lourde Nagar, K.K Nagar, Lourde Nagar, Tiruchirappalli, Tamil Nadu 620007, India
Lat 10.769048°
Long 78.703634°
21/05/22 11:38 AM



Tiruchirappalli, Tamil Nadu, India
QP93+QFG, Pudukottai Main Rd, Airport, Tiruchirappalli, Tamil Nadu 620007, India
Lat 10.769101°
Long 78.703314°
21/05/22 10:58 AM



Tiruchirappalli, Tamil Nadu, India
QP93+QFG, Pudukottai Main Rd, Airport, Tiruchirappalli, Tamil Nadu 620007, India
Lat 10.769006°
Long 78.703333°
21/05/22 10:53 AM

Department of Visual Communication YSSP Report on 21.05.2022



Mr. K.Shanmuga Velayutham, Assistant Professor of Visual Communication delivers a lecture



Participants of YSSP tried their hand at creating Origami

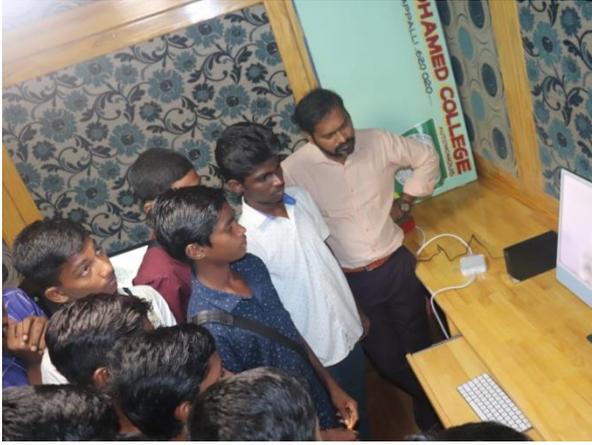


Participants of YSSP around Audi Visual Lab



Participants at Visual Communication Lab





International Biodiversity Day Children Competition Participation on 22.05.2022 at
Jamal Mohamed College



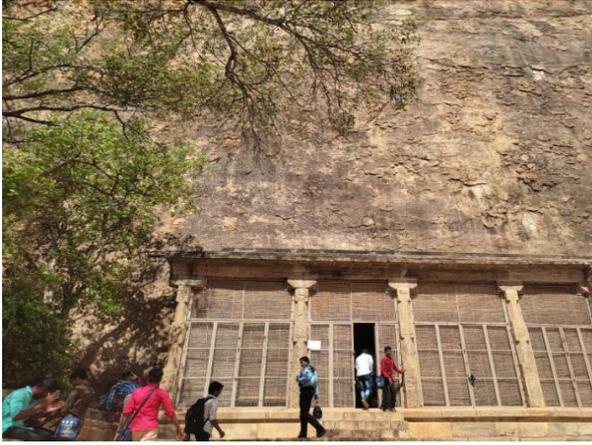
Visit to Government Museum, Pudukkottai on 22.05.2022





Visit to Chithannavasal, Pudukkottai on 22.05.2022





A snap of YSSP participnats at **Chithannavasal**



Zoology- 23.05.2022



Book Reading Session



Dr.I.Joseph Antony Jerald address the participants



Mr. P.A.Ashique delivers a lecture





Participants at Indoor Stadium



Students participating in group activities



Food Chain



Students visit to the College Museum





Dr.P.Rajasekar and Mr. P.A. Ashique, Assistant Professors of Zoology interact with the participants of YSSP

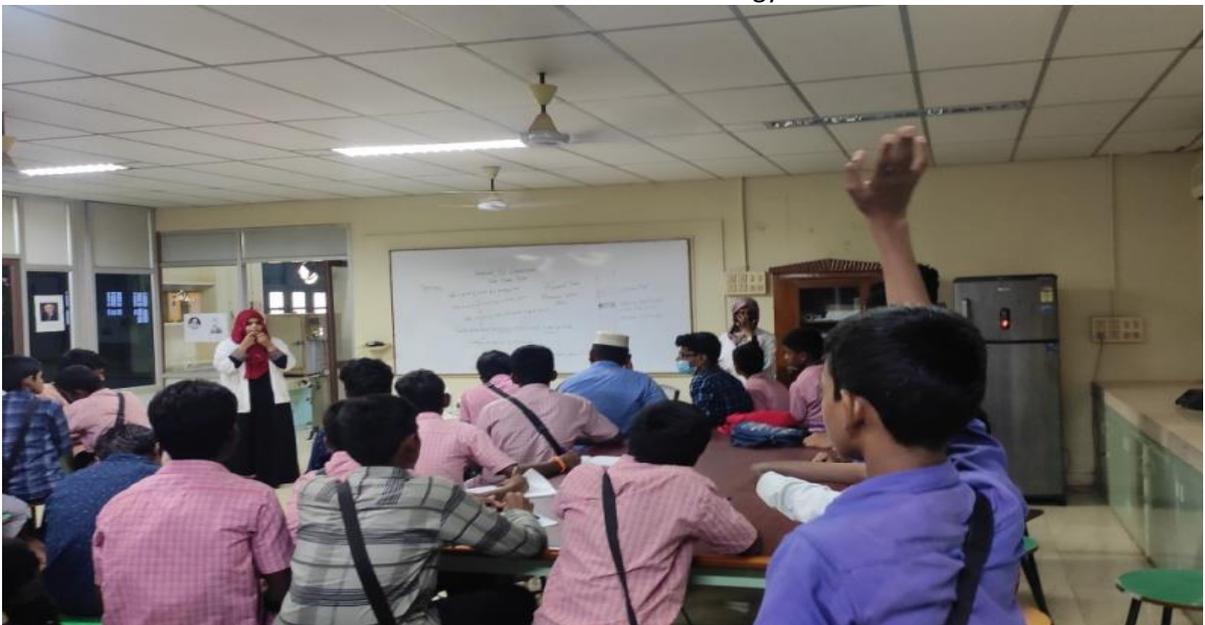


Students visit to to the Museum

Biotechnology - 24.05.2022



Students visit to the Biotechnology Lab



Participants interact with the staff member





Resource Person explains the scope of Biotechnology to the YSSP Participants



Dr. K. Gobalan handles a session for the participants



Dr. T. Nargis Begum, Asst. Prof. of Biotechnology handles a session



Microbiology - 25.05.2022



Prof. N. Reehana, Asst. Prof. of Microbiology handles a session and gave a lecture on Micro-organisms





Student Participants of YSSP performing Yoga in the evening as a part of the Programme



A tree sapling was planted by Ms. S.Sangeetha, System Analyst, TNSCST on 26.05.2022



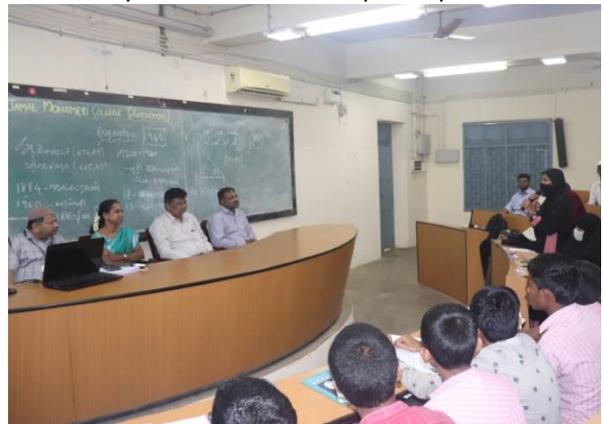
Lecture on Vedic Mathematics



A spectacle of student participants



Dr. A. Nagoor Gani, Co-ordinator of YSSP address the student participants



Prizes distributed to the YSSP participants



Ms. S.Sangeetha address the participants



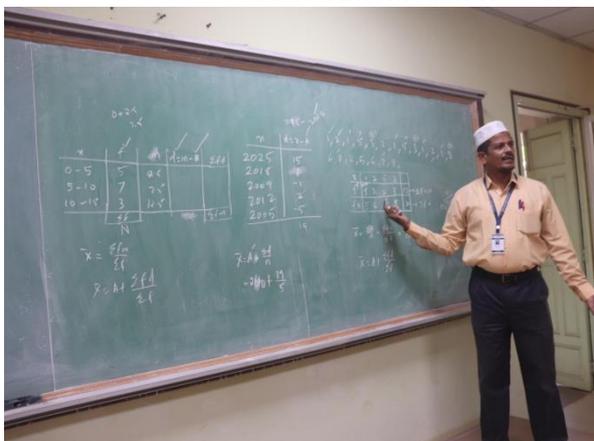
A participant asks question with Ms. S.Sangeetha



Students interaction with Ms. S.Sangeetha



Students interaction with the Resource person- Mr.M.Nagaraj



Dr. A. Mohamed Ismayil, Assoc. Prof. of Mathematics handles a session in Mathematics



Students were given hands on training to make simple Mathematical Model





27.05.2022 - Visit to Indian Institute of Food Processing Technology, Thanjavur









Dr. S. Mohamed Iliyas and Dr. S. Abdul Saleem Assistant Professors of Computer Science delivered a talk on the Fundamentals of Computer Science on 28.05.2022





Participants of YSSP at the Computer Lab





Participants were taken to Mukkombu in Trichy for recreation on 29.05.2022





மாவட்ட மைய நூலகம்
மாவட்ட மைய நூலக வாசகர் வட்டம்
ஐமால் முகமது கல்லூரி (தன்னாட்சி) &
தமிழ்நாடு அறிவியல் இயக்கம்
திருச்சிராப்பள்ளி மாவட்டம்
இணைந்து நடத்தும்

இளம் மாணவர்கள் விஞ்ஞானி திட்டம்

மாணவர்களுடன் கலந்துரையாடல்

திரு. அ. பொ. சிவகுமார்
மாவட்ட நூலக அலுவலர்,
திருச்சிராப்பள்ளி மாவட்டம்

மே
29
ஞாயிறு

மாலை 3 மணி

மாவட்ட மைய நூலக கூட்ட அரங்கம், திருச்சி

அனைவரும் வருக !



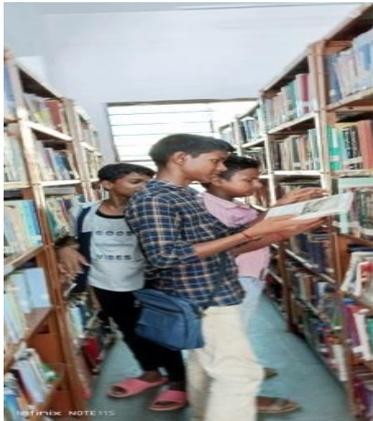
Participants of YSSP were taken to District Library as part of the Programme on 29.05.2022





Participants of YSSP exploring the District Library, Trichy







Participants glance over the variety of books at the District Library, Trichy



Mr. Manikandan, Tamil Nadu Science Forum address the students in the District Library, Trichy



Participants are seated in the District Library, Trichy



30.05.2022-Sun Watch Programme





Dr. Aneez Mohamed, Co-ordinator of Fashion Technology Department interacted with the participants of YSSP on 30.05.2022



Participants of YSSP were given hands on training by the faculty members of the Department of Fashion Technology





Participants of YSSP try their hand at variety of handicrafts







Exhibition by YSSP participants on 31.05.2022



Principal honours Dr. P. Shahul Hameed



Dr. P. Shahul Hameed gave away the prize to the participant



Dr. P. Shahul Hameed delivers a talk



Dr. P. Shahul Hameed witness the exhibition of Science Models displayed by the participants



Participants of YSSP display their science models and offer explanation





31.05.2022- Valedictory Function



Prayer at the valedictory function of YSSP



Dr. A. Mohamed Ismayil, Associate Professor welcomes the gathering



Dr. A. Nagoor Gani, Associate Professor of Mathematics & Coordinator of YSSP presents the Report of the YSSP held at Jamal Mohamed College



Participants of YSSP offer feedback in the valedictory function



Principal delivers the Presidential Address



Assistant Secretary of our College honours
Dr. N. Thajuddin



Dr. N. Thajuddin, Professor, Bharathidasan
University Address with Participants



Our Assistant secretary felicitates the gathering



Dr.R. Jahir Hussain, Head (i/c) & Associate
Professor of Mathematics Proposes Vote of
thanks



A snap of the audience in the Valedictory
Function



Certificates and Trophies were distributed to the participants of YSSP.





Group Photo of the participants of YSSP-2022 with dignitaries on 31.05.2022

YOUNG STUDENTS SCIENTIST PROGRAMME
UNDER THE SPONSORSHIP OF TAMIL NADU STATE COUNCIL
FOR SCIENCE AND TECHNOLOGY, CHENNAI

College Principal's Press Release on 01.05.2022

The Young Students Scientist Programme is to be organized by Jamal Mohamed College, Tiruchirappalli under the sponsorship of Tamil Nadu State Council for Science and Technology, Chennai from 16th to 31th May 2022 at the College premises.

Under this programme the students of class 9th from Government and Government Aided Schools of Tiruchirappalli and Karur Districts are about to stay in the College premises and get an exposure towards modern science through lectures and practical sessions.

Through this programme, students will develop an interest in scientific research. During the weekends, students will be taken to the science centre for better exposure. A total of 40 boys and 40 girls will benefit from this programme at no cost, including food and accommodation, as this programme is conducted under the sponsorship of the Tamil Nadu State Council for Science and Technology, Chennai.

Students interested in participating in this programme should send an email to Dr. A. Nagoor Gani, Associate Professor in Mathematics and Coordinator of the Young Students Scientist Programme **ganijmc@yahoo.co.in** with their Name, Class, Father's Name, Phone Number, School Address, Email ID, Residential Address, Marks obtained in Science subject and Total Marks in Class 9th through their respective Head Masters.

The Selected students will be intimated through their respective schools. For further details, contact 94434-11221 or 86675-73418.

We extend our invitation and invite all students to apply for this programme to enrich their scientific knowledge for becoming future scientists.

Dr. S. ISMAIL MOHIDEEN
PRINCIPAL



TAMIL NADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Department of Higher Education, Government of Tamilnadu
DOTE Campus, Chennai 600025

&
JAMAL MOHAMED COLLEGE (Autonomous)

Tiruchirappalli-620 020

CERTIFICATE

This is to certify that _____

_____ participated in the Young Student Scientist Programme (YSSP - 2022) Catalyzed and Supported by Tamilnadu State Council for Science and Technology and conducted at JAMAL MOHAMED COLLEGE, TIRUCHIRAPPALLI - 620 020 during May 16 to 31,2022.


Dr.A.NAGOORGANI
YSSP Co-Ordinator


Dr.S.ISMAIL MOHIDEEN
Principal


Dr.R.SRINIVASAN
Member Secretary

JAMAL MOHAMED COLLEGE (Autonomous)
TIRUCHIRAPPALLI – 620 020
YOUNG STUDENTS SCIENTIST PROGRAMME
 UNDER THE SPONSORSHIP OF TAMIL NADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY, CHENNAI

| YSSP – 2022 Exhibition Participants List | | | |
|---|-------------------------------------|----------------|--|
| Team No. | Title of the Project | Name | School |
| 1. | கற்றலையின் மூலம் மின்சாரம் எடுத்தல் | BOOMESH D | Govt. Boys Higher Secondary School, Pugalur, Karur |
| | | KARTHIKEYAN T | Dr. MAM Ramasamy Chettiyar Govt. High School, Kavandampalayam, Puliur, Karur |
| | | THARUN R | Govt. Boys Higher Secondary School, Pugalur, Karur |
| | | SUBASH M | Govt. Higher Secondary School, Malai kovilur, Karur |
| | | ANBARASAN S | Govt. High School, Nalluranpatty, Karur |
| | | PAVISH M | Govt. Higher Secondary School, Manmangalam, Karur |
| 2. | சாலை விபத்து பாதுகாத்தல் முறை | THIRUMURUGAN M | Govt. Model Higher Secondary School, Panchapatti |
| | | RAMESH S | Govt. Model Higher Secondary School, Panchapatti |
| | | KAMALESH B | Govt. Model Higher Secondary School, Panchapatti |
| | | YOKESH A | Govt. Model Higher Secondary School, Panchapatti |
| | | SUTHEESWARAN M | Govt. Higher Secondary School, Balasamuthirapatty, Karur |
| 3. | Speed Breaker Power Generator | DHARIKA S | Govt. High School, Thennilai, Kadavur, Karur |
| | | SHALINI R | Govt. Girls High School, Erachandar Tirumalai, Karur |
| | | SARMILA P | Govt. Girls High School, Erachandar Tirumalai, Karur |
| | | ANANTHI M | Govt. High School, Balasamuthirappatty, Karur |
| | | ROHINI M | Govt. High School, Thennilai, Kadavur, Karur |

| | | | |
|----|---|---------------------|---|
| 4. | Kidney Working Model and Dialysis Machine | ABINAYA R | Govt. High School, Nalluranpatty, Karur |
| | | SNEHA V | Govt. High School, Nalluranpatty, Karur |
| | | LAVANYA K | Govt. High School, Nalluranpatty, Karur |
| | | KARUNYA C | Govt. High School, Nalluranpatty, Karur |
| | | KOVADHARSHINI P | Govt. High School, Nalluranpatty, Karur |
| | | KIRUTHIKA P | Govt. High School, Nalluranpatty, Karur |
| 5. | Hydro Electric Generator | ENIYAZHINI M | Govt. Girls Higher Secondary School, Kulithalai |
| | | DHANUSREE R | Govt. Higher Secondary School, Thumbivadi, Karur |
| | | PERIYAKKAL A | Govt. Girls Higher Secondary School, Kulithalai |
| | | AALIYA RAKSHANA S | Uswathun Hasana Oriental Arabic Girls Higher Secondary School, Pallpatti, Karur |
| | | FAYIZA RINAZ K M | Uswathun Hasana Oriental Arabic Girls Higher Secondary School, Pallpatti, Karur |
| | | THANEEMUL MARLIYA M | Uswathun Hasana Oriental Arabic Girls Higher Secondary School, Pallpatti, Karur |
| 6. | Nutrition of Health | RAMYA R | Govt. HSS, Peruvalappur, Lalgudi, Trichy |
| | | RATHNA DEVI S | Govt. High School, Kallakampatty, Marungapuri, Trichy |
| | | SABIYA M | Govt. High School, Nachampatti, Musiri, Trichy |
| | | DEEPIKA M | Govt. Higher Secondary School, Periya Aalampatti, Inamkulathur (P.O), Trichy |
| | | DESIKA SRI S | Govt. HSS, Ayyampalayam, Mannachanallur, Trichy |
| | | HARINI K | Govt. High School, Vellur, Musri, Trichy |
| 7. | Smart Door Lock System | SWARNARAJ R P | Govt. HSS, Thiruvellarai, Trichy |
| | | DHARSHAN S | Govt. Boys Higher Secondary School, Mannachanallur, Trichy |
| | | SHIVA HARISH K | Govt. Boys Higher Secondary School, Mannachanallur, Trichy |
| | | MUGESH M | Govt. Boys Higher Secondary School, Mannachanallur, Trichy |
| | | VISHNU N | Govt. Boys Higher Secondary School, Mannachanallur, Trichy |
| | | KISHORE J | Govt. HSS, Thiruvellarai, Trichy |

| | | | |
|-----|---|---------------------|--|
| 8. | Water Alarm | VISHNUVARTHAN S | St. Joseph College Higher Secondary School, Trichy |
| | | INIYASANTHOSH C | St. Joseph College Higher Secondary School, Trichy |
| | | SUBASH S | St. Joseph College Higher Secondary School, Trichy |
| | | ABDUL HALEEM S | St. Joseph College Higher Secondary School, Trichy |
| | | MOHAMED SIKKANDAR R | Khajamian Higher Secondary School, Trichy |
| | | AJMAL KHAN M | Khajamian Higher Secondary School, Trichy |
| 9. | Water Electricity | PRAGATHEESH K | Govt. Boys Higher Secondary School, Mannachanallur, Trichy |
| | | VIKNESH S | Govt. Higher Secondary School, Sevalpatti, Trichy |
| | | ARUNKUMAR K | Govt. Higher Secondary School, Sevalpatti, Trichy |
| | | MATHIYALAGAN S | Govt. Higher Secondary School, Periya Aalampatti, Inamkulathur (P.O), Trichy |
| | | PRADEEP R | Govt. Boys Higher Secondary School, Mannachanallur, Trichy |
| 10. | School Toilet in COVID Period (II Prize) | CHANDRU S | Govt. High School, Nachampatti, Musiri, Trichy |
| | | SRIKANTH S | Govt. HSS, Sirugambur, Trichy |
| | | BHARATH V | Govt. HSS, Peruvalapur, Lalgudi, Trichy |
| | | DHANUSH S | Govt. HSS, Sirugambur, Trichy |
| | | SHAM SINGH P | Govt. High School, Vellur, Musri, Trichy |
| 11. | Earthquake Alarm (I Prize) | SUJITH YADHAV S | Govt. Boys Higher Secondary School, Velliyanai, Karur |
| | | PALANI BHARATHI S | Govt. Boys Higher Secondary School, Kulithalai, Karur |
| | | LOGESHWARAN D | Govt. Boys Higher Secondary School, Kulithalai, Karur |
| | | ARUN KUMAR R | Govt. Boys Higher Secondary School, Velliyanai, Karur |
| | | BARANI KUMAR S | Govt. Boys Higher Secondary School, Velliyanai, Karur |
| | | KARTHICK RAJA B | Govt. Boys Higher Secondary School, Kulithalai, Karur |
| 12. | Magic Umbrella and 3D Hologram (III Prize) | MAHA VISHNU M | Govt. HSS, Lalgudi, Trichy |
| | | MAHESHWARAN S | Govt. HSS, Lalgudi, Trichy |
| | | SATHYA T | Govt. High School, Thennilai, Kadavur, Karur |
| | | NITHISH G | Govt. Higher Secondary School, Manmangalam, Karur |
| | | GANAPATHY D | Dr. MAM Ramasamy Chettiyar Govt. High School, Kavandampalayam, Puliur, Karur |

| | | | |
|-----|--|------------------|--|
| 13. | 1) வண்ணப்புச்சு இயந்திரம் 2) காற்று அழுத்தால் இயங்கும் விளையாடும் பொருள் 3) கார, அமில சோதனை 4) மாயாஜால விளையாட்டு | LOGANATHAN P | Govt. High School, Kallakampatty, Marungapuri, Trichy |
| | | GIRI K | Govt. HSS, Thiruvellarai, Trichy |
| | | DEEPAK S | Govt. HSS, Ayyampalayam, Mannachanallur, Trichy |
| | | ALAGURAJA A | Govt. High School, Puthuvadi, Trichy |
| | | ALAGAR P | Govt. High School, Puthuvadi, Trichy |
| | | THARUN PRASATH J | Govt. HSS, Thiruvellarai, Trichy |
| 14. | Agricultural Source | VISHNU K | Govt, High School, Kannanur, Thuraiyur, Trichy |
| | | SIVASANKAR S | Govt. Higher Secondary School, Kallagam |
| | | SUDHARSAN S | GHSS, Hospital Road, Omandur, Trichy |
| | | VEERA SELVAN M | Govt. Higher Secondary School, Kallagam |
| | | BALAMURALI M | Govt, High School, Kannanur, Thuraiyur, Trichy |
| | | RUDRAN G | GHSS- Ayilapettai, Koppu (PO), Srirangam, Trichy |
| 15. | Low Budget Microscope | VISHNU N | Govt. Boys Higher Secondary School, Mannachanallur, Trichy |
| | | KISHORE J | Govt. HSS, Thiruvellarai, Trichy |

YOUNG STUDENTS SCIENTIST PROGRAMME

UNDER THE SPONSORSHIP OF TAMIL NADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY,
CHENNAI

| Best Performer of the Day | | | |
|----------------------------------|--------------------------------|----------------------|--|
| S. No. | Date | Name | School |
| 1. | 17.05.2022 | R. PRADEEP | Government Boys Higher Secondary School, Mannachanallur, Tiruchirappalli. |
| 2. | 18.05.2022 | M. ENIYAZHINI | Government Girls Higher Secondary School, Kulithalai, Karur. |
| 3. | 19.05.2022 | M. VEERA SELVAN | Government Higher Secondary School, Kallagam, Tiruchirappalli. |
| 4. | 20.05.2022 | S. RATHNA DEVI | Government High School, Kallakampatty, Marungapuri, Tiruchirappalli. |
| 5. | 21.05.2022 | T. KARTHIKEYAN | Dr. MAM Ramasamy Chettiyar Government High School, Kavandampalayam, Puliur, Karur. |
| 6. | 23.05.2022 | R. THARUN | Government Boys Higher Secondary School, Pugalur, Karur. |
| 7. | 24.05.2022 | S. SIVASANKAR | Government Higher Secondary School, Kallagam, Tiruchirappalli. |
| 8. | 25.05.2022 | K. LAVANYA | Government High School, Nalluranpatty, Karur. |
| 9. | 26.05.2022 | C. KARUNYA | Government High School, Nalluranpatty, Karur. |
| 10. | 28.05.2022 | M. THANEEMUL MARLIYA | Uswathun Hasana Oriental Arabic Girls Higher Secondary School, Pallapatti, Karur. |
| 11. | 30.05.2022 | R ARUN KUMAR | Government Boys Higher Secondary School, Velliyana, Karur. |
| Overall Best Performer | | | |
| 1. | 16.05.2022 to 31.05.2022 | D. BOOMESH | Govt. Boys Higher Secondary School, Pugalur, Karur. |

Co-ordinator Meeting at the Council Office - Description

On 23rd February 2022, Coordinator meeting of YSSP – 2022 was held at DOTE Campus, Chennai. Dr.R.Srinivasan, Member Secretary and Prof.V.Ramaswami addressed the gathering. In their address following points were explained

- How the programme is to be conducted?
- Duties of the Coordinator
- Role of the hosting College
- How to identify the right resource person?
- The forenoon session must be of theory and the afternoon session be the practical.
- Preferences must be given to the Government School students then comes the Government Aided School followed by Private Schools.
- Private School students must be avoided at the most.
- Hosting College must ensure the quality of the food and accommodation.

Entire programme should give special exposure to Science Subjects which will the students to become a Scientist in future.

23.03.2022

To

The Chief Educational Officer

Tiruchirappalli.

Sir,

Sub.: Young Students Scientist Programme(YSSP) – May 2022 – support required – reg.

Tamil Nadu State Council for Science and Technology, an autonomous body of Government of Tamil Nadu has been supporting various activities in our State for the promotion and development of Science and Technology. Jamal Mohamed College (Autonomous), Tiruchirappalli has been selected as a Programme Centre for the conduct of YSSP-May 2022 for the benefit of school students of Tiruchirappalli and Karur districts. The proposed schedule will be offered from 17.05.2022 to 31.05.2022. In this regard, I request you to extend your support to send a circular to all HMs of Government and Panchayat Schools of rural areas in Tiruchirappalli District, to request them to send the details of 2 best students who have interest in science subject and completed 9th standard during 2021-2022 (1 boy and 1 girl if it is co-education school) to Dr.A.Nagoor Gani, Associate Professor of Mathematics, YSSP Co-ordinator, Jamal Mohamed College (Autonomous), Tiruchirappalli – 620 020 (Mobile No.: 9443411221 and email: ganijmc@yahoo.co.in) on or before 28.04.2022.

The details required are Name of the student, school and residential address of the student, his/her contact number, his/her HM's contact number. The respective HMs of the students will be informed about the selection on 04.05.2022. The selection list will also be displayed in the college notice board and our College Website (www.jmc.edu) on 04.05.2022.

I earnestly anticipate your fullest support and most favourable action in this regard.

Thanking you,

Yours sincerely,

PRINCIPAL

12.04.2022

To

The Chief Educational Officer

Karur.

Sir,

Sub.: Young Students Scientist Programme(YSSP) – May 2022 – support required – reg.

Tamil Nadu State Council for Science and Technology, an autonomous body of Government of Tamil Nadu has been supporting various activities in our State for the promotion and development of Science and Technology. Jamal Mohamed College (Autonomous), Tiruchirappalli has been selected as a Programme Centre for the conduct of YSSP-May 2022 for the benefit of school students of Tiruchirappalli and Karur districts. The proposed schedule will be offered from 17.05.2022 to 31.05.2022. In this regard, I request you to extend your support to send a circular to all HMs of Government and Panchayat Schools of rural areas in Karur District, to request them to send the details of 2 best students who have interest in science subject and completed 9th standard during 2021-2022 (1 boy and 1 girl if it is co-education school) to Dr.A.Nagoor Gani, Associate Professor of Mathematics, YSSP Co-ordinator, Jamal Mohamed College (Autonomous), Tiruchirappalli – 620 020 (Mobile No.: 9443411221 and email: ganijmc@yahoo.co.in) on or before 28.04.2022.

The details required are Name of the student, school and residential address of the student, his/her contact number, his/her HM's contact number. The respective HMs of the students will be informed about the selection on 04.05.2022. The selection list will also be displayed in the college notice board and our College Website (www.jmc.edu) on 04.05.2022.

I earnestly anticipate your fullest support and most favourable action in this regard.

Thanking you,

Yours sincerely,

PRINCIPAL

JAMAL MOHAMED COLLEGE (Autonomous)
TIRUCHIRAPPALLI – 620 020

YOUNG STUDENTS SCIENTIST PROGRAMME

UNDER THE SPONSORSHIP OF TAMIL NADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY,
CHENNAI

| S.No. | Name of the Student | School Address | Room |
|-------|---------------------|---|------|
| 1 | MAHESHWARAN S | Govt. HSS, Lalgudi, Trichy-621601 | M-1 |
| 2 | MAHA VISHNU M | Govt. HSS, Lalgudi, Trichy-621601 | M-1 |
| 3 | PAVISH M | Govt. Higher Secondary School, Manmangalam, Karur-639006 | M-1 |
| 4 | KARTHIKEYAN T | Dr. MAM Ramasamy Chettiyar Govt. High School, Kavandampalayam, Puliyur, Karur | M-1 |
| 5 | GANAPATHY D | Dr. MAM Ramasamy Chettiyar Govt. High School, Kavandampalayam, Puliyur, Karur | M-1 |
| 6 | THARUN R | Govt. Boys Higher Secondary School, Pugalur, Karur-639113 | M-1 |
| 7 | BOOMESH D | Govt. Boys Higher Secondary School, Pugalur, Karur-639113 | M-1 |
| 8 | SATHYA T | Govt. High School, Thennilai, Kadavur, Karur | M-1 |
| 9 | SUTHEESWARAN M | Govt. Higher Secondary School, Balasamuthirapatty, Karur | M-1 |
| 10 | ANBARASAN S | Govt. High School, Nalluranpatty, Karur | M-1 |
| 11 | SUBASH M | Govt. Higher Secondary School, Malai kovilur, Karur | M-1 |
| 12 | NITHISH G | Govt. Higher Secondary School, Manmangalam, Karur-639006 | M-2 |
| 13 | KAMALESH B | Govt. Model Higher Secondary School, Panchapatti | M-2 |
| 14 | YOKESH A | Govt. Model Higher Secondary School, Panchapatti | M-2 |
| 15 | RAMESH S | Govt. Model Higher Secondary School, Panchapatti | M-2 |
| 16 | THIRUMURUGAN M | Govt. Model Higher Secondary School, Panchapatti | M-2 |
| 17 | SUJITH YADHAV S | Govt. Boys Higher Secondary School, Velliyanai, Karur | M-2 |

| S.No. | Name of the Student | School Address | Room |
|--------------|----------------------------|---|-------------|
| 18 | BARANI KUMAR S | Govt. Boys Higher Secondary School, Velliyanai, Karur | M-2 |
| 19 | ARUN KUMAR R | Govt. Boys Higher Secondary School, Velliyanai, Karur | M-2 |
| 20 | LOGESHWARAN D | Govt. Boys Higher Secondary School, Kulithalai, Karur | M-2 |
| 21 | KARTHICK RAJA B | Govt. Boys Higher Secondary School, Kulithalai, Karur | M-2 |
| 22 | PALANI BHARATHI S | Govt. Boys Higher Secondary School, Kulithalai, Karur | M-2 |
| 23 | VEERA SELVAN M | Govt. Higher Secondary School, Kallagam-621653 | M-3 |
| 24 | SIVASANKAR S | Govt. Higher Secondary School, Kallagam-621653 | M-3 |
| 25 | MATHIYALAGAN S | Govt. Higher Secondary School, Periya Aalampatti, Inamkulathur (P.O), Trichy - 620009 | M-3 |
| 26 | ARUNKUMAR K | Govt. Higher Secondary School, Sevalpatti, Trichy-621314 | M-3 |
| 27 | VIKNESH S | Govt. Higher Secondary School, Sevalpatti, Trichy-621314 | M-3 |
| 28 | PRAGATHEESH K | Govt. Boys Higher Secondary School, Mannachanallur, Trichy-621005 | M-3 |
| 29 | PRADEEP R | Govt. Boys Higher Secondary School, Mannachanallur, Trichy-621005 | M-3 |
| 30 | VISHNU K | Govt, High School, Kannanur, Thuraiyur, Trichy-621206 | M-3 |
| 31 | BALAMURALI M | Govt, High School, Kannanur, Thuraiyur, Trichy-621206 | M-3 |
| 32 | RUDRAN G | GHSS- Ayilapettai, Koppu (PO), Srirangam, Trichy-639103 | M-3 |
| 33 | SUDHARSAN S | GHSS, Hospital Road, Omandur, Trichy-621006 | M-3 |
| 34 | DHANUSH S | Govt. HSS, Sirugambur, Trichy-621213 | M-4 |
| 35 | SRIKANTH S | Govt. HSS, Sirugambur, Trichy-621213 | M-4 |
| 36 | ALAGURAJA A | Govt. High School, Puthuvadi, Trichy-621315 | M-4 |
| 37 | ALAGAR P | Govt. High School, Puthuvadi, Trichy-621315 | M-4 |

| S.No. | Name of the Student | School Address | Room |
|--------------|----------------------------|---|-------------|
| 38 | BHARATH V | Govt. HSS, Peruvalapur, Lalgudi, Trichy | M-4 |
| 39 | GIRI K | Govt. HSS, Thiruvellarai, Trichy | M-4 |
| 40 | THARUN PRASATH J | Govt. HSS, Thiruvellarai, Trichy | M-4 |
| 41 | CHANDRU S | Govt. High School, Nachampatti, Musiri, Trichy | M-4 |
| 42 | LOGANATHAN P | Govt. High School, Kallakampatty, Marungapuri, Trichy | M-4 |
| 43 | SHAM SINGH P | Govt. High School, Vellur, Musri, Trichy | M-4 |
| 44 | DEEPAK S | Govt. HSS, Ayyampalayam, Mannachanallur, Trichy-621005 | M-4 |
| 45 | KISHORE J | Govt. HSS, Thiruvellarai | M-5 |
| 46 | SWARNARAJ R P | Govt. HSS, Thiruvellarai | M-5 |
| 47 | VISHNUVARTHAN S | St. Joseph College Higher Secondary School, Trichy | M-5 |
| 48 | INIYASANTHOSH C | St. Joseph College Higher Secondary School, Trichy | M-5 |
| 49 | SUBASH S | St. Joseph College Higher Secondary School, Trichy | M-5 |
| 50 | ABDUL HALEEM S | St. Joseph College Higher Secondary School, Trichy | M-5 |
| 51 | MOHAMED SIKKANDAR R | Khajamian Higher Secondary School, Trichy | M-5 |
| 52 | AJMAL KHAN M | Khajamian Higher Secondary School, Trichy | M-5 |
| 53 | DHARSHAN S | Govt. Boys Higher Secondary School, Mannachanallur, Trichy-621005 | M-5 |
| 54 | MUGESH M | Govt. Boys Higher Secondary School, Mannachanallur, Trichy-621005 | M-5 |
| 55 | VISHNU N | Govt. Boys Higher Secondary School, Mannachanallur, Trichy-621005 | M-5 |
| 56 | SHIVA HARISH K | Govt. Boys Higher Secondary School, Mannachanallur, Trichy-621005 | M-5 |

JAMAL MOHAMED COLLEGE (Autonomous)
TIRUCHIRAPPALLI – 620 020

YOUNG STUDENTS SCIENTIST PROGRAMME
UNDER THE SPONSORSHIP OF TAMIL NADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY,
CHENNAI

| S.No. | Name of the Student | School Address | Room |
|-------|---------------------|--|------|
| 1. | DEEPIKA M | Govt. Higher Secondary School, Periya Aalampatti, Inamkulathur (P.O), Trichy - 620009 | W-1 |
| 2. | RAMYA R | Govt. HSS, Peruvalappur, Lalgudi, Trichy | W-1 |
| 3. | SABIYA M | Govt. High School, Nachampatti, Musiri, Trichy | W-1 |
| 4. | RATHNA DEVI S | Govt. High School, Kallakampatty, Marungapuri, Trichy | W-1 |
| 5. | HARINI K | Govt. High School, Vellur, Musri, Trichy | W-1 |
| 6. | DESIKA SRI S | Govt. HSS, Ayyampalayam, Mannachanallur, Trichy-621005 | W-1 |
| 7. | AALIYA RAKSHANA S | Uswathun Hasana Oriental Arabic Girls Higher Secondary School, Pallpatti, Karur-639205 | W-2 |
| 8. | FAYIZA RINAZ K M | Uswathun Hasana Oriental Arabic Girls Higher Secondary School, Pallpatti, Karur-639205 | W-2 |
| 9. | THANEEMUL MARLIYA M | Uswathun Hasana Oriental Arabic Girls Higher Secondary School, Pallpatti, Karur-639205 | W-2 |
| 10. | ROHINI M | Govt. High School, Thennilai, Kadavur, Karur | W-2 |
| 11. | ENIYAZHINI M | Govt. Girls Higher Secondary School, Kulithalai | W-2 |
| 12. | PERIYAKKAL A | Govt. Girls Higher Secondary School, Kulithalai | W-2 |
| 13. | ANANTHI M | Govt. High School, Balasamuthirappatty, Karur | W-3 |
| 14. | DHARIKA S | Govt. High School, Thennilai, Kadavur, Karur | W-3 |
| 15. | DHANUSREE R | Govt. Higher Secondary School, Thumbivadi, Karur | W-3 |

| S.No. | Name of the Student | School Address | Room |
|--------------|----------------------------|--|-------------|
| 16. | SHALINI R | Govt. Girls High School, Erachandar Tirumalai, Karur | W-3 |
| 17. | SARMILA P | Govt. Girls High School, Erachandar Tirumalai, Karur | W-3 |
| 18. | KARUNYA C | Govt. High School, Nalluranpatty, Karur | W-4 |
| 19. | LAVANYA K | Govt. High School, Nalluranpatty, Karur | W-4 |
| 20. | SNEHA V | Govt. High School, Nalluranpatty, Karur | W-4 |
| 21. | KOVADHARSHINI P | Govt. High School, Nalluranpatty, Karur | W-4 |
| 22. | ABINAYA R | Govt. High School, Nalluranpatty, Karur | W-4 |
| 23. | KIRUTHIKA P | Govt. High School, Nalluranpatty, Karur | W-4 |
| 24. | HARINISRI K | Kingsley Matriculation School, Trichy | W-4 |

நாள் : .05.2022

பெறுநர் :

அன்புள்ள மாணவ / மாணவியருக்கு,

திருச்சி ஜமால் முகமது கல்லூரி (தன்னாட்சி)-யில் நடைபெற உள்ள இளம் மாணவ விஞ்ஞானி திட்டத்தில் (Young Students Scientist Programme – YSSP-2022) கலந்து கொள்ள நீங்கள் தேர்வு செய்யப் பெற்றுள்ளீர்கள். YSSP-2022 நிகழ்ச்சி எமது கல்லூரி வளாகத்தில் 16.05.2022 முதல் 31.05.2022 வரை மிகச் சிறப்பாக நடைபெற உள்ளது.

இத்திட்டத்தில் பங்கேற்க தேர்வு செய்ய பெற்றவர்கள் மே 16-ம் தேதி முதல் மே 31-ம் தேதி வரை கல்லூரியில் தங்கி பயிற்சி மேற்கொள்ள வேண்டும். இப்பயிற்சியானது தமிழ்நாடு அறிவியல் தொழில்நுட்ப மாநில மன்றத்தின் நிதியுதவியுடன் நடைபெறுவதால் இப்பயிற்சியில் பங்கேற்க எவ்வித கட்டணமும் செலுத்த வேண்டியதில்லை. இப்பயிற்சியானது திறம் மிக்க கல்லூரி பேராசிரியர்களைக் கொண்டு நடத்தப் பெறும். மேலும் மாணவ / மாணவியர்கள் அறிவியல் துறை சார்ந்த நிறுவனங்களுக்கும் அழைத்துச் செல்லப்படுவார்கள்.

இந்நிகழ்ச்சியில் பங்கேற்க தேர்வு செய்யப்பட்டுள்ள அனைத்து மாணவ / மாணவியரும் மே 16-ம் தேதி முதல் மே 31-ம் தேதி வரை 16 நாட்கள் விடுதியில் தங்குவதற்கு ஏதுவாக **மே 16-ம் தேதி காலை 10.30 மணிக்குள் பெற்றோருடன் தவறாது கல்லூரிக்கு வந்து விட வேண்டும்** (மே16-ம் தேதி இரவு முதல் உணவு வழங்கப்படும்). அவ்வாறு வரும் போது கீழ்க்கண்ட பொருட்களை தவறாது கொண்டு வரவும்.

| | |
|----|--|
| 1. | படுக்கை விரிப்பு, துண்டு |
| 2. | சாப்பாட்டு தட்டு, டம்ளர் |
| 3. | ஆடைகள் |
| 4. | பற்பசை மற்றும் பிரஷ் |
| 5. | குளியல் மற்றும் துணி துவைக்கும் சோப்பு |
| 6. | எண்ணெய், சீப்பு |
| 7. | மெழுகுவர்த்தி |
| 8. | இதர அடிப்படை பொருட்கள் (அலைபேசி மற்றும் விலையுயர்ந்த பொருட்கள் தவிர) |

மேலும் விபரங்களுக்கு முனைவர். ஏ. நாகூர் கனி, இணைப்பேராசிரியர், கணிதத்துறை மற்றும் இளம் மாணவர்கள் விஞ்ஞானி திட்ட ஒருங்கிணைப்பாளர் அவர்களை 94434-11221 என்ற எண்ணில் அல்லது முனைவர்.ஆர்.ஜாகிர் உசேன், துறைத்தலைவர் (பொ), கணிதத்துறை அவர்களை 86675-73418 என்ற எண்ணில் தொடர்பு கொள்ளவும்.

இப்படிக்கு,

முனைவர்.எஸ்.இஸ்மாயில் முகைதீன்
முதல்வர்

நகல் :

பள்ளித் தலைமை ஆசிரியர் அவர்கள்

ஐமால் முகமது கல்லூரி (தன்னாட்சி)
திருச்சி

இளம் மாணவ விஞ்ஞானி திட்டம் (YSSP – 2022)

தேதி : .05.2022

உறுதி மொழி

ஐயா,

எனது மகன் / மகள் _____

ஐமால் முகமது கல்லூரி (தன்னாட்சி)யில் 16.05.2022 முதல் 31.05.2022 வரை 16 நாட்கள் நடைபெறும் இளம் மாணவ விஞ்ஞானி திட்டத்தில் (YSSP – 2022) பங்கு பெற முழு மனதுடன் சம்மதிக்கிறேன். மேலும், எனது மகன் / மகள் YSSP – 2022 திட்டக்குழுவின் வரைமுறைகளுக்கு உட்பட்டு நடந்து கொள்வார் என உறுதி கூறுகிறேன்.

இப்படிக்கு,

(பெற்றோர் கையொப்பம்)

பெற்றோர் பெயர் :

அலைபேசி எண் :

மாணவர் பெயர் :

பள்ளி முகவரி :

The Young Students Scientist Programme is organized by Jamal Mohamed College, Tiruchirappalli under the sponsorship of Tamil Nadu State Council for Science and Technology, Chennai from 16th to 31th May 2022 at the College premises.

Under this programme the students of class 9th from Government and Government Aided Schools of Tiruchirappalli and Karur Districts are about to stay in the College premises and get an exposure towards modern science through lectures and practical sessions. The inaugural session is held on 16.05.2022 at 3.00 p.m. in the Hussainudeen Hall.

Dr. S. Ismail Mohideen Principal delivered the Presidential Address. College Treasurer Hajee. M. J. Jamal Mohamed and Dr.K.Abdu Samad, Assistant Secretary felicitated the gathering.

Prof. Sultan Ahmed Ismail, Member, Tamilnadu Stae Planning Commission delivered the Inaugural Address. Earlier Dr.R. Jahir Hussain, Head(i/c), Department of Mathematics welcomed the gathering. Finally Dr.A.Nagoorgani, Associate Professor of Mathematics & Coordinator YSSP-2022 proposed the vote of thanks.

A total of 80 (both boys and girls) benefitted from this programme.



தமிழ்நாடு அறிவியல் தொழில்நுட்ப மாநில மன்றம்,
சென்னை - 600025
(ஆக்கம் மற்றும் நிதியுதவி)
மற்றும்



ஐமால் முகமது கல்லூரி (தன்னாட்சி)
திருச்சிராப்பள்ளி - 620 020
இணைந்து நடத்தும்

இளம் மாணவர்கள் விஞ்ஞானி திட்டம் (YSSP) - 2022

(16.05.2022 முதல் 31.05.2022 வரை)

துவக்க விழா - நிகழ்ச்சி நிரல்

நாள் : 16.05.2022

நேரம் : மாலை 3.00 மணி

இடம் : சையது ஹுசைனுதீன் ஹால்

இறைவாழ்த்து

தமிழ்தாய் வாழ்த்து

வரவேற்புரை : முனைவர். R. ஜாஹிர் உசேன்
தலைவர் (பொ), கணிதத்துறை

தலைமையுரை : முனைவர். S. இஸ்மாயில் முகைதீன்
முதல்வர்

விருந்தினரை சிறப்புச்செய்தல்

விழா சிறப்புரை : பேராசிரியர் சுல்தான் அஹ்மத் இஸ்மாயில், Ph.D.,D.Sc.
ஆசிரியர், மண்ணியல் உயிரியலாளர் மற்றும் சுற்றுச்சூழல் அறிஞர் &
உறுப்பினர், மாநில திட்டக்குழு, தமிழக அரசு

வாழ்த்துரை : டாக்டர். A.K. காஜா நஜீமுதீன்
செயலர் மற்றும் தாளாளர்
ஹாஜி. M.J. ஐமால் முகமது
பொருளாளர்

நன்றியுரை : முனைவர். A. நாகூர் கனி
இணைப்பேராசிரியர்
ஒருங்கிணைப்பாளர், YSSP-2022

நாட்டுப்பண்

| Programme Schedule | | |
|---------------------------|--|---|
| | Forenoon 9.15 a.m. to 1.00 p.m. | Afternoon 2.00 p.m. to 5.30 p.m. |
| Date & Day | Topic & Resource Person | Practical Session |
| 16.05.2022 (Monday) | -- | YSSP- Inauguration |
| 17.05.2022 (Tuesday) | Optics and its Colours Mr. J.Umar Malik Assistant Professor of Physics Jamal Mohamed College Truchirappalli | Physics Practical |
| 18.05.2022 (Wednesday) | Domestic Product Preparation Dr.M.Syed Ali Padusha Associate Professor of Chemistry Jamal Mohamed College Truchirappalli | Chemistry Practical |
| 19.05.2022 (Thursday) | Botany – Joyful Science Dr.M.Ghouse Basha Dean of Science & HOD of Botany Dr. B.Balaguru Assistant Professor of Botany Jamal Mohamed College Truchirappalli | Botany Practical |
| 20.05.2022 (Friday) | Food, Nutrition and Hygiene Ms.D.Bhuvaneswari Assistant Professor of Nutrition & Dietetics Mr. K.G.Rajan Assistant Professor of Hotel Management Jamal Mohamed College Truchirappalli | Nutrition & Dietetics and Hotel Management Practical |
| 21.05.2022 (Saturday) | Visit to Anna Science Centre - Planetarium, Tiruchirappalli | Origami, Drawings and Puppet Show Mr. Shanmuga Velayutham Mr.B.Ramakrishnan Mr.D.Pradeepan Assistant Professor of Visual Communication Jamal Mohamed College Truchirappalli |
| 22.05.2022 (Sunday) | Visit to Government Museum, Pudukkottai | Visit to Chithannavasal, Pudukkottai |

| | | |
|---------------------------|--|---|
| 23.05.2022 (Monday) | Biodiversity and Wildlife Conservation Dr.M.Salahudeen Assistant Professor of Zoology Jamal Mohamed College Truchirappalli | Zoology Practical |
| 24.05.2022 (Tuesday) | Introduction to plant tissue and animal cell culture techniques Dr. S.Benazir Begum Assistant Professor of Biotechnology Jamal Mohamed College Truchirappalli | Biotechnology Practical |
| 25.05.2022 (Wednesday) | Isolation and Identification of Micro Organism Dr. N. Reehana Assistant Professor of Microbiology Jamal Mohamed College Truchirappalli | Microbiology Practical |
| 26.05.2022 (Thursday) | Vedic Mathematics Mr. M. Nagaraj Assistant Professor of Mathematics Vivekananda College Madurai | Statistics with Practical Dr.A.Mohamed Ismayil Associate Professor of Mathematics Jamal Mohamed College Truchirappalli |
| 27.05.2022 (Friday) | Visit to National Institute of Food Technology, Entrepreneurship and Management (NIFTEM), Thanjavur | Experimental Mathematics Learning at Math Lab, Jamal Mohamed College |
| 28.05.2022 (Saturday) | Fundamentals of Computers, Programming Languages & Mastering Web Applications Dr.S. Mohamed Iliyas Dr.S. Abdul Saleem Mr.M.Kamal Assistant Professor of Computer Science Jamal Mohamed College Truchirappalli | Computer Science Practical |
| 29.05.2022 (Sunday) | Visit to Mukkombu, Tiruchirappalli | Visit to District Library, Tiruchirappalli |
| 30.05.2022 (Monday) | Fashion Artista Ms. C. Manochitra Assistant Professor of Fashion Tehnology Jamal Mohamed College Truchirappalli | Fashion Technology Practical |
| 31.05.2022 (Tuesday) | Exhibition by YSSP Participants | YSSP- Valediction |

| | | |
|----------------------|---|------------------------|
| Science Book Reading | 9.15 a.m. to 9.30 a.m. | |
| Tea Break | 11.00 a.m. to 11.30 a.m. | 4.00 p.m. to 4.30 p.m. |
| Lunch Break | 1.00 p.m. to 2.00 p.m. | |
| Sports/ Yoga | 5.30 p.m. to 6.30 p.m. at Indoor Stadium, Jamal Mohamed College | |

Report of (17.05.2022) activities of YSSP

The brainstorming Physics session was stated with brief interaction of Head of the Department of Physics to the gathering of selective 9th standard passout students from various Government and Government Aided Schools across Trichy and Karur Districts. The subject session was begun 10.00 am by J.Umar Malik, Assistant professor, Department of Physics, Jamal Mohamed College.

In the Forenoon session, Students were introduced with the concept of 'what is physics', and the subjects it encompasses. The students were focused to the concept of 'light' in general 'its wave nature' in particular. One which causes sensation of vision is called light. It is one of the interesting and fascinating concept and its deliberation is novel to these category of students. The students were learned through various examples and animations that 'wave is transferring energy without transporting masses' on the contrary to the definition of particle which is endowed with mass and charge. The students then introduced with 'the measurable quantity that are associated with wave', such as amplitude, wavelength, frequency and phase.

The students were made themselves well acquaintance with the following ideas

- Mechanical and electromagnetic wave are two different forms of the wave, hence medium is essential for the former for their propagation but it is not the case for the latter.
- Entire spectrum of electromagnetic radiation is presented in the slide along with its wavelength, frequency and their application to the human being.
- The theory which substantiate the wave nature of the light such as interference, diffraction, and transverse nature of light such as polarization was introduced

In the Afternoon session, which was held at M.Sc Physics laboratory, served to the students as demonstration session of the concept they learned in the forenoon session. In this session, the following experiments were demonstrated.

- The shape of a wave is shown to the students using Cathode Ray Oscilloscope(**CRO**) and Audio Frequency Oscillator(**AFO**). Its amplitude, wavelength frequency and phase variation are also shown to them

- Interference patterns are created either by the division of wave front or its amplitude. For wave front division, **Fresnel Bi-Prism experiment** is performed. For the amplitude division **Michelson Interferometer** is used to create the wave pattern which in turn prove the wave nature of light.
- Using **spectrometer** and **transmission grating**, the diffraction patterns are recreated. Which further strengthen the idea of wave nature of light.
- **Laurent's half shade polarimeter** was used to demonstrate to the students the transverse nature of light and the meaning of optically active substance

After the end of the demonstration session the students are served with tea and snacks then they left the Physics laboratory for their next activity.

Report of Second day (18.05.2022) activities of YSSP

The Second Day Programme commenced with Reading Practice between 9.00 and 9.15 am.

Three lectures were delivered in the Forenoon session.

Dr. M. Syed Ali Padusha, Associate Professor of Chemistry enlightened the students by delivering a lecture on Role of Chemistry in Day-to-Day Life. His lecture included Chemistry of Photosynthesis, Cleaning Action of Soap, Chemistry of Water and Food Materials.

A Lecture on Chemistry of Cosmetic Products was delivered by Dr. Mushira Banu, Assistant Professor of Chemistry. She explained the various cosmetic products available in the market, their preparation methods, advantages and ill effects of them.

Dr. Hema Sinduja, Assistant Professor of Chemistry spoke on Chemistry and Environment. In her Lecture, she explained how environment is getting polluted, their source and suggested remedial measures.

Students interacted with great enthusiasm and the Resource Persons clarified their doubts patiently.

Students were given hands-on training on preparation of domestic products such as utensils cleansing powder, detergent powder, shampoo, room fresher and phenyl (disinfectant) during the afternoon sessions.

They were trained to prepare the above said products and the chemical nature and importance of each ingredients were explained to them.

Dr.M.Syed Ali padusha and Dr.Asar Ahamed conducted the Afternoon Session.

Report of Third day (19.05.2022) activities of YSSP

Title of the Event: Botany – A Joyful Science

The school students of Inspire programme came to the botany department on 19/05/2022 at 9 am. Dr.H.Syed Jahangir Associate Professor Department of Botany and Dr.Shajahan, Associate Professor Department of Botany, Dean of Research and Consultancy welcome the students and delivered a lecture on the scope of botany and various branches of botany.

The practical demonstration was done by the staff members. The students were divided into six batches. Each batch of students got exposure in various practicals.

Following practicals were performed and demonstrated to the students.

- a. Oxygen is evolved/released during photosynthesis demonstrated by the bell jar method and funnel experiment. Students learned the mechanisms of photosynthesis
- b. Microscope parts, Instruments like pH meter, electronic weighing balance, autoclave, hot air oven, centrifuge and their uses in the biological laboratory were explained to the students.
- c. Bacterial culture under bacterial colony counter and, cyanobacterial culture techniques and their structure visualize under photomicrograph to students.
- d. Mushroom cultivation techniques, were imparted to students and students got exposure regarding the growth substrate, sterilization technique, culture condition, spawn preparation and techniques for better yield and quality in Oyster mushroom cultivation techniques.
- e. Students practiced to prepare Synthetic and artificial seeds. The solidified synthetic seeds were given in hands of the participants to test the texture of synthetic seeds. The participants were also allowed to sit in the laminar airflow chamber and make encapsulated synthetic seeds by having hands-on experience.
- f. Students were exposed to plant pigments separation using paper chromatography from *Tecoma stans* (L) leaves and separated photosynthetic pigments.
- g. Students visited the tissue culture lab and learned how to collect the plant (explants) and culture in the artificial media for plant propagation without seed.

The students interacted with all the faculty members and they receive knowledge on their specialization, which would create the interest to choose the botany subject for their future endeavours.

Report of Fourth day (20.05.2022) activities of YSSP

Over 40 school students were participated in the young India scheme classes were conducted by Chef. K.G.Rajan during the class was taken about the Food Hygiene and Nutrition with theory and practical. In this class Mr. Dhanush was actively interacted and attended the class.

Topic were covered

- INTRODUCTION TO FOOD HYGIENE
- IMPORTANCE OF NUTRITION
- MOST POPULAR COOKING TECHNIQUES OF ASIAN COOKERY
- STIR FRYING
- DEEP FRYING
- GRILLING
- SIMMERING
- BRAISINGPOACHING
- ROASTING

PG Department of Nutrition and Dietetics, Jamal Mohamed College, Trichy conducted one day lecture cum demonstration programme for the benefit of 34 students of government school from Karur district. This was the young students scientist project (YSSP)-2022, which was arranged and sponsored by Tamil Nadu State Council for Science and Technology, Chennai, on 20th May 2022.

Ms. D.Bhuvaneshwari, Assistant Professor, Department of Nutrition and Dietetics, delivered a lecture on the topic of "Food and Nutrition". The students showed more interest to participate and interact with the resource person in both the morning and evening sessions. In the evening there was a practical demonstration session. Dr. M.I.Fazal Mohamed, Head of the Department of Nutrition and Dietetics, delivered a motivational speech to the students at the end of the session.

Report of Fifth day (21.05.2022) activities of YSSP

Department of Visual Communication

On 21.05.2022 YSSP was conducted by the department of Visual Communication in the Commerce Seminar Hall (SF) between 2.30 pm 6.15pm.

Girls (24) Boys (56) total = 80

Organised the day with three activities after dividing the group into three.

1. Studio Visit in the department of Visual Communication
2. Drawing – Train the students in the basic drawing
- 3, Origami - Paper folding techniques

Dr. S. Ragnathan coordinated the programme in an effective way.

Mr. R. Kameswaran explained the Green Matte studio and Studio Production basics in Visual Communication. Mr. R. Rajesh Kumar explained the Audio Studio and the fundamentals of Audio Production. Mr, B. Ramakrishnan demonstrated the watercolour and train the students about the fundamentals of drawing using Pencil.

Mr. K. Shanmuga Velayutham started the origami with simple paper folding and explained the application of Origami in satellite, Microsurgery, Magic and space saving devices.

Technical Support given by Mr. J. Tensil Dominc and K. Aravind Kumar. Overall assistance by Mr. A. Jawahar Hussain and Mrs. A. Roseline Vimala

Over all YSS Karthiheyam performed well in all the sessions

List of Student Volunteers made the programme a great success

1. M. Abdul Majeed
2. U. Rasik Faith
3. S. Veerakumar
4. A. Ejaj Ahamed
5. Feroz khan Ajees
6. M. Mohamed Nasar
7. M. Mohamed Navaz
8. S. Mohamed Haneef
9. M. Safiyur Rahman
10. R. Balasubramanian

All the three activities were carried out by the students with fullest cooperation and enthusiasm in a nice manner.

Report of Seventh day (23.05.2022) activities of YSSP

The 7th day (23.05.2022) program of YSSP, 2022 at Jamal Mohamed College was allocated for the Zoology Department. Students both boys and Girls arrived into the Zoology Seminar Hall in all enthusiasm with inquisitive gleaming eyes by 9. AM. They all had their routine Book Reading Session first, followed by a briefing of the day's activities & schedule by Dr. Salahudeen. M, Assistant Professor of Zoology and Convener of the event. The Presidential address was given by Dr. I. Joseph Antony Jerald, HOD of Zoology Department. He motivated the young minds and spoke to them of the importance of studying Zoology and Biodiversity. Dr. M. Meeramaideen, Assistant Professor of Zoology offered felicitations and highlighted the significance of YSSP.

For the first session, Students were split into two groups, one for 'Bird Watching' and another group for 'Biodiversity Conservation' in parallel sessions. Students were again divided into 5 groups and sent with binoculars to watch and identify birds using keys given during lecture hours. Prof. P. A. Ashique served as Resource Person for the event and provided to students, charts and pictures of birds along with identification keys and notes. The students explored the birds of Jamal campus and enjoyed the natures' wealth.

Another parallel session on Ecology and Biodiversity Conservation was also held, side by side. Students enjoyed learning from the indoor auditorium the concepts of Habitat Fragmentation, Food Web, Need of Biodiversity Conservation, Human Elephant Conflicts, etc. Dr. M. Salahudeen, Assistant Professor of Zoology acted as Resource Person for this session.

The afternoon session began in the Zoological Museum, jointly coordinated by Dr. H. E. Syed Mohamed and Dr. R. Krishnamoorthy, Assistant professors in the Department. They explained to the Students on the significance of Museum and the enormous informations that the JMC Museum holds. Students were enriched with knowledge on zoological sample collections and preservation. Ancient collection of animals and fossil samples impressed the students. They were extremely thrilled and amazed visualizing the vastness of Animal kingdom.

The final session for the day was on Human Blood grouping ably coordinated by Dr. S. Mohamed Hussain and Dr. P. Rajasekar, Assistant Professors in the Department. They young Students were given practical knowledge on how human blood is collected for grouping and they understood the significance of various blood groups and transfusion as well.

Report of Eighth day (24.05.2022) activities of YSSP

The 8th day (24.05.2022) Program of YSSP, 2022 at Jamal Mohamed College was allocated for the Biotechnology Department. Students both boys and Girls arrived into the Biotech Gallery by 9. AM. The programme was started with Qirat. They all had their routine Book Reading Session first, followed by a briefing of the day's activities & schedule by Dr. S. Benazir Begum., Assistant Professor of Biotechnology and Convener of the event. The Presidential address was given by Dr. T. Nargis Begum, Assistant Professor of Biotechnology Department. She motivated the young minds and spoke to them of the importance and Scope of studying Biotechnology.

This was followed by Dr. S. Benazir Begum, Assistant Professor of Biotechnology offered felicitations and highlighted the significance and applications of Plant Tissue and Animal Tissue culture. Students were enthusiastically answered and raised the questions on the aspects of Stem cell therapy and Applications of Biotechnology. Then, Dr. B. Padmanaban, Research advisor of Jamal Mohamed College served as Resource Person for this event and clearly explained about the scope and carrier opportunity in Biotechnology. He boosts up the knowledge in the field of Biotechnology and brought a new initiative to the school students to do research in this field.

In afternoon session, all the students are assembled in Biotech Gallery sharply at 2.00 pm after lunch. Dr. K. Gobalan, Assistant Professor of Biotechnology gave an introductory talk about Bioinformatics. In practical session, the students were split into two groups, one group was coordinated by Dr. K. Gobalan to give practical skills on basic bioinformatics in Bioinformatics lab. He gave hands on training of sequence alignment of DNA and protein to the students.

Another parallel session was also held for another group side by side in Biotechnology lab which was coordinated by Dr. S. Benazir Begum and Dr. A. Habibunisha. In biotechnology lab, the students were again divided into five groups. Each groups was sent to different labs in Biotechnology to learn basic practical skills on Plant tissue culture and Microbiology. Biotechnology students prepared chart and models about applications of Plant tissue and Animal Tissue Culture and explained to the school students. Students were enriched with knowledge on practical aspects of media preparation and callus induction in plant tissue culture lab. They also viewed the different instruments present in Biotechnology Instrumentation room. Dr. S. Benazir Begum explained the working principle of all the instruments in Instrumentation room to the students.

The final session for the day was Animal tissue culture practical session coordinated by Dr. T. Nargis Begum in Animal Tissue culture lab. The young Students gained practical knowledge on how to collect blood and culturing the blood cells. They also viewed the instruments present in Animal Tissue culture lab. They were extremely happy and gained knowledge on basic aspects of Biotechnology.

Report of Ninth day (25.05.2022) activities of YSSP

The Young Students Scientist Programme (YSSP) was conducted by the PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli. Around 80 school students of 9th standard from Tiruchirappalli and Karur districts were actively participated in this programme. The students visited Microbiology department on 25.05.2022 from 9.00 am to 4.30 pm.

The programme was aimed to enhance the basic knowledge in Microbiological techniques and handling of laboratory instruments. It was mainly focused on the demonstration of basics of microorganisms and the laboratory instruments.

The program was started with Qirath and Dr. J. Sirajudeen, Coordinator of Microbiology welcomed the gathering. Dr. N. Reehana, Assistant Professor of Microbiology gave the introductory lecture on isolation and identification of microorganisms. She also highlighted about the techniques used in microbiology laboratory. Ms.A.Fasila Begum, Assistant Professor of Microbiology delivered the lecture on the Microbiological Instruments. She mainly focused on the principle and mechanism of microbiological techniques. Ms.A.Swedha, Assistant Professor of Microbiology explained the Staining techniques and their applications.

In the afternoon, the technical session was started by describing the working principle and mechanism of instruments like UV-Vis Spectrophotometer, Colorimeter, Centrifuge, PCR, Gel documentation, Hot air oven, Autoclave, Water bath, pH meter, Incubator etc. The students learned Plating techniques (Pour plate, spread plate and streak plate), Staining (Simple staining, Gram staining and Lactophenol cotton blue staining), Motility (Hanging drop method).

The school students were more curious on gathering the information and showed their interest on microbiological knowledge. They actively interact with the staff members and cleared their doubts. The school students were very much gratitude to the management of Jamal Mohamed College for the arrangement of this valuable programme.

Report of Tenth day (26.05.2022) activities of YSSP

In our country, Mathematical concepts in the topics like Algebra, Arithmetic, Geometry, Trigonometry, Spherical Trigonometry & Astronomy are already used in the form of sutras in Vedas and Upanishads. For the past three thousand years (1500 BC – 1500 AD), many mathematicians like Aryabhata (476 AD), Varahamihira (485 AD), Bhaskaracharya (600 AD), Brahmagupta (628 AD), Mahaveeracharya (800 AD) and Bhaskaracharya II (1120 AD) contributed many mathematical techniques to our society.

Aryabhata, first explained about the value of π (π) = 3.1416 was not accurate in the world. The properties of Surds ($\sqrt{2}, \sqrt{3}, \dots$) explained in the books Bouthaya Sutra and Abha Sthambha Sutra. Pythagoras (572 – 501 BC) theorem already explained in the Kalpa Sutra (800 – 500 BC). Algebraic equations like $Nx^2 + 1 = y^2$ already solved by Brahmagupta. Later on, Euler (1764) and Lagrange (1768) explained the above equation in detail. In this way, our ancient mathematicians contributed to the world mathematical society.

In 1965, the first book published in the name “Vedic Mathematics” which was contributed by Swami Bharatiya Krishna Tirth (1925 – 1960), Sankaracharya of Puri, Odisha. He (Venkatraman – Old name) was born at Tirunulveli, Tamilnadu in the year 1884. At the age 15, he received “Saraswati” award given by Association of Sanskrit, Mysore for his excellence in Sanskrit in the year 1899. He got seven master degrees in 1904 with high scores at American college, New York. His collection of mathematical techniques classified as 16 Sutras and 13 Sub sutras published in the name of Vedic Mathematics after his death.

For this YSSP – 2022 programme, on this 26th May, we covered the Vedic Mathematics Techniques of Addition, Subtraction and Multiplication. The details of the content are as follows:

I – ADDITION:

- a) **Agathiga Method** (One more than)
- b) **Puragam Method** (Complement of 10)

II – SUBTRACTION:

- a) **Nikilam Method** (All from 9, last from 10)
- b) **Puragam Method** (Complement of 10)

III – MULTIPLICATION:

- a) **Urthuva Thriyak Method** (Vertically & Crosswise) (2 digits, 3 digits...)
- b) **Adharam Method** (Base 10, 100, 1000,...)
 - (i) Above Base
 - (ii) Below Base
 - (iii) Both Above & Below Base
- c) **Squares Method**
 - (i) General Square (2 digits, 3 digits,...)
 - (ii) End with 5 (15, 25, 35,...)
 - (iii) Start with 5 (51, 52, 53,...)
- d) **Cubes Method**
 - (i) General Cubes of any 2 digit number

Report of Twelfth day (26.05.2022) activities of YSSP

The 12th Day Programme commenced with Reading Practice between 9.00 and 9.15 am.

Three lectures were delivered in the Forenoon session.

Dr. S. Mohamed Iiyas, Assistant Professor of Computer Science enlightened the students by delivering a lecture on Basics of Computers and Ms-Office tools. His lecture included Components of Computers, Types of Computers and Basic operations in Ms-Word, Ms-Excel and Ms-Powerpoint.

A Lecture on Programming Languages was delivered by Dr. S. Abdul Saleem, Associate Professor & MID of Computer Science and Information Technology. He explained the various programming languages that are used at present. He also demonstrated the generation of languages and basics of Hyper Text Markup Language.

Mr. Y. Mohamed Iqbal, Programmer, Department of Computer Applications, spoke on creating YouTube channels and creating Blogs. In his lecture, he explained how the YouTube channels are useful in their careers and demonstrated about the creating of blogs.

Students interacted with great enthusiasm and the Resource Persons clarified their doubts patiently.

Students were given hands-on training on developing simple programs using HTML, creating email –id's, creating of resume using Ms-Word, preparing Mark sheet using Ms-Excel, developing presentation using Ms-Powerpoint during the afternoon sessions. They were trained to execute the above exercise using computers in labs at Computer Science Department.

Report of 14th day (30.05.2022) activities of YSSP

The 14th day of YSSP program, 2022 was held at the department of Fashion Technology and Costume Designing of Jamal Mohamed College on 30.05.2022. The Students both boys and Girls arrived at Al - Manhal Seminar Hall with all enthusiasm by 9. 00am. The students were motivated by the co-ordinator of the department, Dr. M. Aneez Mohamed. He spoke to the young minds emphasizing the importance of skill and creativity in fashion design. C.Manochitra Assistant Professor highlighted the activities of the department and spoke about the various activities to be performed by the students in YSSP in the department.

The total 78 students were divided into four groups and each group was allotted to perform a activity practical and assisted by one staff member for one group. First group was assisted by R. Jeevitha, Assistant Professor to perform the practical on 'Toys making', Such as penguin, chick, woolen teddy, sock toy and octopus. Second group were involved in 'Cushion Making' practical assisted by B.Jabeen Assistant Professor. She taught different types of smocking techniques to the students. The third group of students was engaged in 'Fabric printing'. The students were involved in screen printing, tie and dye method, block printing and stencil printing was ably guided by T. Nisaanthy, Assistant Professor. Later on the printed fabric was created as an end product such as desktop cover, cushion cover, pillow cover and wall hanging. The last group of students was trained for 'Fabric painting' N.Poomani, Assistant Professor assisted the students to perform the different techniques of painting methods. They performed floral design in cotton hand kerchief and also they painted in bottles as decorative flower pots.

At the end of the day by 4.30 p.m all the students of the respective four groups were ready with their end products as different types of toys, types of smocking patterns, fabric paintings and fabric printings.

Report: Visit to Anna Science Centre - Planetarium, Tiruchirappalli on 21.05.2022

We took the YSSP students to the Anna Planetarium on 21.05.2022. In planetarium students visited many places and learned plenty of things . First they visited the 3D spectacles which made the movie realistic . Next they visited the space theatre, which explains about each and every planet in solar system and also the celestial objects, small planets etc. also they learned about the leap year , heat capacity of the sun, comets, asteroids, stars, space station etc. Then they visited the planet weight machine . Planet weight machine means it displays our weight in other planets like Mercury, Venus, and Earth etc. Next students visited the Museum in the planetarium which displays the historical importance . In the museum the students saw the land biome, water biome, dessert biome, crude oil filtration , soil erosion, food chain , ozone hole , nitrogen cycle carbon cycle etc. and also students learned about the ancestral name of various planets . This thing in the planetarium was useful to enhance the knowledge of the students. It was a unforgettable trip form me and the students.

Report: Visit to Government Museum, Pudukkottai on 22.05.2022

We took the students to the government museum Pudukkottai. The students learned plenty of things from this Museum and some of the things impressed the students to the core. The few things are Paintings of king's court, cheetah skeleton, mountain shake, collection of shells, human skeleton, chain warrior dress, wooden piece chain, copper objects, iron objects, dinosaur, ornaments, potteries, preservatives, birds, mammals, elephant skeleton, fishes, pearls, birds egg, Horns of some animals, Musical instruments and Surds these are the things students observed in the museum. The students came to know about the knowledge of our ancestral towards art and architecture. The students learned many innovative things in this trip.

Report: Visit to Chithannavasal, Pudukkottai on 22.05.2022

We took the students to visit Chitanavasal, which is situated at Pudukkottai it is a cave Temple which was built up by Chola king and it was constructed in 7th century AD (C.E). The students saw many paintings which was painted at 9th century AD (C.E). The painting was painted by using the natural dye from flowers and leaves. They grinded the plant's flowers and leaves and used the extract for this painting. Next the students saw some lotus pond and some paintings of Kings and Queens in the Chola empire. If they produce a sound inside the cave the students felt an echo and the vibration is also felt outside and this was the unique feature of the Chitanavasal cave. Our ancestral used a wide range of modern science to construct the chitanavasal cave. These are the evidence that reconstruct our past history of our Tamils. The students observed the sculptures of Tirthankaras lived in past histories and to mention specifically the 23rd and 24th Tirthankaras sculptures were found inside the wall of the cave. The name "Chitanavasal" was given to this cave temple because the ancient chitars lived in this place for years. This visit was very much useful to enhance the knowledge about our history.

Report: Visit to National Institute of Food Technology, Entrepreneurship and Management (NIFTEM), Thanjavur on 27.05.2022

We took the students to the National Institute of Food Technology, Entrepreneurship and Management, Thanjavur (NIFTEM-T), formerly Indian Institute of Food Processing Technology (IIFPT), is an academic institution with Institute of National Importance (INI) status, functioning under the Ministry of Food Processing Industries (MoFPI), Government of India. The institute offers students the academic and research programmes in the field of food processing technology. The institute has National Accreditation Board for Testing and Calibration Laboratories (NABL) accredited food quality testing laboratory which is also notified for Food Safety and Standards Authority of India (FSSAI). Students visited the Food product development laboratory, food microbiology laboratory, post-harvest pest management laboratory, food processing incubation centre, and food engineering laboratories which are in its main campus also at Thanjavur. NIFTEM-T is operating liaison offices at Guwahati, Assam and Bathinda, Punjab. These liaison offices have facilities to give skill development trainings, incubation and consultancy services to the farmers, entrepreneurs and students in the field of value addition of agricultural produce and food processing technologies. The visit to this institute was very much useful to enhance the knowledge of the students.

Report: Visit to Mukkombu and District Library, Tiruchirappalli on 29.05.2022

On 29th July 2022, students were taken to Mukkombu, a dam built over the river Kaveri. Students played various games in the park also enjoyed the view from the dam and the greeneries all around. The history of the construction of the dam was explained to them.

On the same day afternoon, they were taken to the District Central Library, Tiruchirappalli where librarian taught how to search books in a library also gave a short address towards importance of library which attracted the students very much.

The Young Students Scientist Programme is organized by Jamal Mohamed College, Tiruchirappalli under the sponsorship of Tamil Nadu State Council for Science and Technology, Chennai from 16th to 31st May 2022 at the College premises.

Under this programme the students of class 9th from Government and Government Aided Schools of Tiruchirappalli and Karur Districts are about to stay in the College premises and get an exposure towards modern science through lectures and practical sessions. The valedictory session is held on 31.05.2022 at 3.00 p.m. in the Hussainudeen Hall.

Dr. S. Ismail Mohideen Principal delivered the Presidential Address. Dr.K.Abdul Samad, Assistant Secretary and Dr.K.Abdul Kader Nihal, Member and Hon. Director felicitated the gathering.

Dr. N. Thajuddin, Professor, Department of Microbiology, School of Life Science, Bharathidasan University, Trichy delivered the Valedictory Address. Earlier Dr.A.Mohamed Ismayil, Associate Professor of Mathematics welcomed the gathering. Dr.A.Nagoorgani, Associate Professor of Mathematics & Coordinator YSSP-2022 presented the report of the programme. Finally Dr.R. Jahir Hussain, Head(i/c), Department of Mathematics proposed the vote of thanks.

A total of 80 (both boys and girls) benefitted from this programme.



தமிழ்நாடு அறிவியல் தொழில்நுட்ப மாநில மன்றம்,
சென்னை - 600025
(ஆக்கம் மற்றும் நிதியுதவி)
மற்றும்



ஐமால் முகமது கல்லூரி (தன்னாட்சி)
திருச்சிராப்பள்ளி - 620 020
இணைந்து நடத்தும்

இளம் மாணவர்கள் விஞ்ஞானி திட்டம் (YSSP) - 2022

(16.05.2022 முதல் 31.05.2022 வரை)

நிறைவு விழா- நிகழ்ச்சி நிரல்

நாள் : 31.05.2022

நேரம் : மாலை 3.00 மணி

இடம் : சையது ஹுசைனுதீன் ஹால்

இறைவாழ்த்து

தமிழ்தாய் வாழ்த்து

வரவேற்புரை : முனைவர். A. முகமது இஸ்மாயில்
இணைப்பேராசிரியர், கணிதத்துறை

YSSP - அறிக்கை : முனைவர். A. நாகூர் கனி
இணைப்பேராசிரியர் & ஒருங்கிணைப்பாளர், YSSP-2022

தலைமையுரை : முனைவர். S. இஸ்மாயில் முகைதீன்
முதல்வர்

விருந்தினரை சிறப்புச்செய்தல்

விழா சிறப்புரை : முனைவர். என். தாஜுதீன் D.Sc., FRSB, FMSI
பேராசிரியர், நுண்ணுயிரியியல் துறை
பாரதிதாசன் பல்கலைக்கழகம், திருச்சிராப்பள்ளி

வாழ்த்துரை : முனைவர். K. அப்துஸ் சமது
உதவிச்செயலர்

முனைவர். K.N. அப்துல் காதர் நிகால்
உறுப்பினர் மற்றும் கௌரவ இயக்குநர்

நன்றியுரை : முனைவர். R. ஜாஹிர் உசேன்
தலைவர் (பொ), கணிதத்துறை

நாட்டுப்பண்

தமிழ்நாடு அறிவியல் தொழில்நுட்ப மாநில மன்றம், சென்னை
(ஆக்கம் மற்றும் நிதியுதவி)
ஐமால் முகமது கல்லூரி (தன்னாட்சி)
திருச்சிராப்பள்ளி - 620 020

இளம் மாணவர்கள் விஞ்ஞானி திட்டம் (YSSP) — 2022

YSSP 2022 பங்கேற்புக்கு முன்பு மற்றும் பின்பு மாணவர்களிடம் ஏற்பட்ட அறிவியல் பாட ஆர்வ மாற்றத்தின் ஆய்வு ஒப்பீடு

| வ.எண். | விபரம் | பங்கேற்புக்கு முன் (மாணவர்களின் எண்ணிக்கையில்) | | பங்கேற்புக்கு பின் (மாணவர்களின் எண்ணிக்கையில்) | | |
|--------|---|---|--------|--|--------|--------|
| | | அதிகம் | குறைவு | மிக அதிகம் | அதிகம் | குறைவு |
| 1. | கணித பாடத்தின் ஆர்வம் | 52 | 28 | 60 | 19 | 1 |
| 2. | அறிவியல் பாடத்தின் ஆர்வம் | 70 | 10 | 65 | 14 | 1 |
| 3. | அறிவியல் பாட பரிசோதனையில் ஆர்வம் | 70 | 10 | 69 | 10 | 1 |
| 4. | புத்தகம் வாசிப்பில் ஆர்வம் | 60 | 20 | 58 | 20 | 2 |
| 5. | YSSP போன்ற கருத்தரங்க பங்கேற்புகள் ஆர்வம் | 61 | 19 | 66 | 12 | 2 |
| 6. | புதிய கண்டுபிடிப்புகள் / ஆய்வுகள் ஆர்வம் | 67 | 13 | 65 | 14 | 1 |
| 7. | பாட வல்லுநர்களுடன் உரையாடுதலின் ஆர்வம் | 48 | 32 | 61 | 17 | 2 |
| | YSSP ஏற்பாடுகள் | சிறப்பாக இருந்தது (மாணவர்களின் எண்ணிக்கையில்) | | நன்றாக இல்லை (மாணவர்களின் எண்ணிக்கையில்) | | |
| | | 80 | | --- | | |
| | பாட வல்லுநர்களின் பங்களிப்பு | 79 | | 1 | | |