FOUNDATION FOR INNOVATIVE RESEARCH IN SCIENCE AND TECHNOLOGY TRUST

(Govt.Regd. No.95/BK4/2017)

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ANNUAL REPORT FOR THE YEAR 2020-2021
We have immense pleasure to read the Foundation for Innovative Research in Science and Technology Trust (FIRST Trust)’s annual report for the year 2020-2021. This year is the remarkable year that the organization extended its activities in many more areas which are the prime movers in empowering woman and children and the holistic development of remote rural area. The following are the narration over the activities undertaken in this fiscal year 2020-2021.

First Trust is a duly registered voluntary organization founded in 2017 and working for the betterment of the marginalized in Kanyakumari District in Tamil Nadu. First Trust is headed by an enthusiastic women person and is ably supported by Board comprising mostly of service minded members. Thus, the organization understands the problems of the society, especially rural and works for their betterment.

MISSION STATEMENT

The First Trust is a research organization that advances in sciences and humanities for public use.

VISION

The First Trust intends to serve as a knowledge hub for research-based solutions to inform human and social development in Tamil Nadu, the Indian continent and the rest of the world.

OUR VALUES

At the First Trust NGO we are committed firstly to excellence, setting the highest benchmarks for ourselves and our partners to ensure the best available practices and services for our local communities.
OBJECTIVES

1. To promote and advocate Human Rights and Fundamental Freedom for all without any discrimination of race, religion, caste, color, sex and language.

2. To promote National Integration, Communal Harmony, Universal Brotherhood and Global Peace.

3. To promote charitable values, literature, science, art, education and culture.

4. To develop and mobilize Community and Natural Resources to give the right direction to people of the marginalized and economically weaker section of the trust for their sustainable development.

5. To establish and run the schools (Nursery, Primary and Matriculation etc.) in the name of First Trust for the welfare and upliftment of the needy children.

6. To work with special concentration for the child & Women welfare and take up Health, Education and Welfare program for needy women and children on priority basis.

7. To conduct research studies on the social a economic conditions of people with a view to involving ways and means for their development within their social historical frame works and to seek promotion of rural development such as provision of drinking water, rural industrialization as well as Public Convenience for people.

8. To educate and train the farmers to adopt the sustainable way of farming, water management, watershed management, Herbal plantation and processing for the upliftment of small farmers.

9. To undertake, organize, conduct and facilitate, Courses, trainings conferences, lectures, researches and education on various aspects and of science, technology, trust and other fields.

10. To train the downtrodden people in general for human resource development in view of the emerging needs such as database development, resource survey methodologies, computer, environmental, studies, health, science, education, and energy problems.

11. To undertake and promote the publication &; translation of journal, research papers and books and to develop the audiovisual program to disseminate knowledge pertaining to the objectives of the trust.

12. To encourage and promote youth welfare activities among needy people.

13. To aid or establish any Educational institution/Colleges like technical, arts and science, medical institutes, polytechnic, engineering, community colleges etc under
the name of First Trust and other related fields for the benefit of downtrodden and weaker sections of the society.

14. To arrange and provide medical aid and other assistance necessary for living to the needy people who are incapable or handicapped or mentally/physically retarded and financially unfit.

15. To start and assist the relief measures in those parts of the country which become affected to natural calamities like famine, fire flood, earthquakes etc.

16. To arrange / establish and maintain centers /institutions of vocational education technical training, low cost education, formal & non-formal education for weaker sections of the society.

17. To promote and protect Indian Traditional music, dance, handicraft, handlooms, Art, modern art & literature by centers.

18. To provide basic medical facility, sanitation, general health care and other needful support which can be helpful for public to overcome sufferings and agony of any natural and manmade disaster and to facilitate them to rehabilitate.

19. To provide and facilities legal assistance to underprivileged and poor section of trust to their rights and justice.

20. To help poor, widows, handicapped, orphans, old aged, mentally retired and under privileged section of the society.

21. To open/ run/ manage institute/ college of higher/professional/vocation education in any part of the country under the name of First trust for providing quality education and training among youth.

22. To establish/ run/ manage hospitals, health centers, mobile health clinics, research center to provide health care, counseling and referral services for all kinds of illness and deceases, fight against HIV/AIDS and other communicable diseases and provide various medical services such as organizing health and awareness camps of Immunization, Eye care, Motherhood and Child care.

23. To establish, build or manage hostels, Shot stay Homes, Rehabilitation centers, shelters, crèches, child care center or children’s Home, counseling centers and help line centers for women, children, old aged persons, Drug addicts and needy persons.

24. To work for the welfare of Agricultural workers, Farmers, Unorganized Labours, Industrial Labours and Migrated Labours.

25. To form women groups, youth groups, self help groups; old aged groups, adolescent groups, children groups/clubs, community leaders groups and group of volunteers.
26. To promote traditional games along with the contemporary sports among youth & others. Also the trust will undertake Road Safety activities individually or in association with Govt. Non Govt. departments

27. To work against the exploitation of Animals & Birds and make sincere efforts to protect/conserve them.

28. To establish research centers on life sciences, Nanotechnology, Biotechnology, Bioinformatics, Biochemistry, Environmental sciences etc., for science and technology development and also to publish research journals, science magazines and newsletters etc.

29. To establish farmers training centers, youth clubs, science clubs etc. for various promotional activities.


PROGRAMMES 2020-2021

1. Students Education Guidance Centre Program:

Students Education Guidance Centre is an innovative initiative of First Trust for assisting Scheduled Caste and Scheduled Tribe of Kanyakumari Dist. It is a part of the dream Project of our Managing Trustee Mrs. S. Sudha, First Trust focuses on the accelerated development of Kanyakumari Dist by providing educational access to brilliant students from socially backward sections in Kanyakumari Dist. This project is supported and funded by First Trust. In Kanyakumari Dist have many students with immense potential, residing in the remote regions of the district who could qualify for higher education and other development professional or job oriented courses. The only requirement is that they should get the necessary coaching and support under the guidance of able instructors. Studies have found that many brilliant students from under privileged background are able to fare better through such supports. Kanyakumari Dist is already pioneering in this direction through such a social initiative. Students Education Guidance Centre aims to be catalyst in bringing about a radical
change in the social and educational profile of Kanyakumari Dist by promoting and developing better competencies among socially backward students of the district.

The centre has been providing them necessary exam training, counseling information and personality development inputs in a professional manner so that they will be equipped better to compete in competitive examinations by Group Discussion and mock interview processes. Also we provide assistance to these students with guidance on aspects related to higher education in Management through professional support and Counseling.

2. Free Computer Education Program:

This program has sponsored by First Trust, Our Organization has been established in the name of “Sri Ruckmoni Baskaralingam Centre for Information & Skill Training” at No.7/335, Seven Eleven Complex, Keelavannal, NGO Colony Road, Kottar Post, Nagercoil-629002, Kanyakumari Dt. Tamil Nadu, INDIA. This centre was conducted special computer training program for school students and drop outs for their future development. Due to the development of information and technology, now the small villages also determine the world and globe can be covered into a small village. Also, the computer programming has offered high level of employment opportunity to the educated people. So, First Trust has provided computer skill training to the young girls those are having required minimum 8th standard. The rendering courses are MS Office and its ancillary courses. Duration of the course is 45 days with fully practical approach. By which many of our rural youth girls have got a pleasurable and respectable employment opportunity in various business centers and private concerns in various town/urban areas. The certificates are highly eligible to register in the employment exchange to get Government job opportunity also. 33 candidates are successfully completed this training course.

3. Digital Library:

Library is a collection of sources of information. FIRST Trust is providing digital library facilities for the school and college students. Digital libraries are quickly becoming the norm at colleges and universities since they combine technology and information resources to allow remote access to educational content, breaking down the physical barriers.

4. Covid 19

As a corona relief aid Foundation for Innovative Research in Science and Technology Trust provided daily necessaries like rice and groceries for poor and needy
people, those who are suffered from COVID-19 issues. This community service programme was held on 23rd April 2020 in the presence of our Managing Trustee.

5. Excel Workshop Webinar:

Excel workshop webinar was conducted on 16th May and 29th May 2020. It was conducted by Dr. Marimuthu, AIMST University, Malaysia. Totally 99 people participated in the first day and 85 people participated in the second day Workshop. We collected 200 rupees from each of them.

6. Rabi E-Conference:

FIRST Trust organized second International E-Conference on Recent Advancement on Bimolecular Invention (RABI-2020) was held on 26th and 27th June 2020. In the first day conference Dr. Vaseeharan, HOD of Animal Health and Management, Alagappa University, Karaikudi was delivered the inauguration address. The key note address was pronounced by Dr. Palmy Jesudhasan, Research Microbiologist, USDAARS, University of Arkansas, USA.
The international and National invited speakers are Dr. Sreeraman Subramaniam, School of Biological Sciences, University Sains, Malaysia, Professor Jingdi Chen, Marine college, Shandong University, Weihai, P.R.China, Dr. Vanitha Mariappan, Centre for toxicology and health risk studies, Faculty of Health Sciences, National University of Malaysia, Kuala Lumpur Malaysia, Dr. S. Karthikeyan, School of biosciences and Technology, Vellore Institute of Technology, Vellore, Tamil Nadu, India, Professor Enrico Maesila, Nazarbaye University, School of Engineering and Digital Sciences, Kazakhstan, Professor Gnendra Shanmugam, Research professor, Department of Biotechnology, Yengunm University, South Korea and they presented about bimolecular inventions. From various University and colleges, the students, research scholars were participated and presented their research topics and received their certificates.

7. International Yoga Day program:

International yoga day program was celebrated in our Foundation for Innovative Research in Science and Technology Trust on 20th June 2020. We gathered the surrounding students and teach them some basic techniques of yoga. Mrs. Shanthini and Mrs. Sessima Parveen were teaching the students about yoga. We provided free mask for each student.
8. Virtual Workshop on Natural Biomedicine:

The Virtual Workshop on Natural Biomedicine was held on 15/07/2020 to 19/07/2020. The program was conducted by Mrs. Shanthini about some medicinal plants, extraction methodology, quantitative analysis, primilary analysis and applications of bioactive compounds. 100 people are participated in this program.

9. Virtual Hands on Training on Whole Genome Sequencing in Bacteria:

Virtual Hands on Training on Whole Genome Sequencing in Bacteria was conducted from 28th August to 30th August. The resource person of this program was Dr. S. Karthikeyan, Vellore Institute of Technology, Vellore. Totally 63 participants are participated. For encouraging the students we provided E-Certificate to each of the participants.
10. Virtual training on Entrepreneurship skills on Honey bee keeping and development of bee products:

Virtual Training on Entrepreneurship skills on Honey bee keeping and development of bee products was conducted by our Foundation on 11th September 2020 to 13th September 2020. The resource person of this program was Dr. C. Balachandran, Apiculture expert, Thiayagarajar College, Madurai. Totally 49 participants are participated to improve their knowledge about development of honey bee product.

11. E-Quiz

FIRST Trust organized online E-Quiz on Microbial Biotechnology held on 13/09/2020 to 30/09/2020 to improve the knowledge of the students regarding the uses of microorganism’s day today life activities.

12. Webinar on Novel Therapeutic Approaches for Anti microbial resistance

This webinar was conducted on 8th and 9th October 2020. The resource person of this webinar was Mrs. Shanthini, the program co-coordinator, Foundation for Innovative Research in Science and Technology. The webinar was conducted through google meet and also in YouTube because more than 100 people are participated. Totally 444 people are participated in this webinar.
13. E-Quiz on Food and Nutrition:

FIRST Trust organized online E-Quiz on Food and Nutrition held on 14/10/2020 to 19/10/2020 to improve the knowledge of the students based on different food items due to world food day.

14. Webinar on Cancer Awareness day:

Webinar on Cancer awareness day was conducted about the topic “Cancer is a word not a sentence” on 7th November 2020. The resource person of this webinar was Ms. Delphine Stephino, Psychologist, Career guidance counselor. She gave an information about the causes, fear and awareness. Totally 687 participants are participated.
15. **International webinar on Biotechnological Applications:**

International webinar on Biotechnological Application on GAC (*Momordica Cochinchinensis*) Sprang: A potential super fruit was conducted on 20th and 21st November 2020. The resource person of this webinar was Professor. Dr. Sreeramanan Subramaniam, FRSB, AFMSA, School of biological Sciences, Universiti Sains, Malaysia. 106 participants are participated.

16. **Webinar on Emotional Intelligence on Academic Achievements:**

Webinar on Emotional Intelligence on Academic Achievements was conducted on 16/12/2020. The resource person of this webinar was Mrs. Chitra Rajkumar, Career guidance, family Counsellor, Certified POSH Practioner, Yoga therapist, Cooperate trainer and counselor. Free registration for all the participants. 198 participants are participated.
17. Intellectual Workshop on Neuropsychology and Neuroscience:

Intellectual Workshop on Neuropsychology and Neuroscience was conducted on 29th and 30th January 2021. The resource person of this webinar was Mrs. Nirmala Raja, PGD, Counseling and Guidance, International Affiliate member of American Psychological Association. Totally 20 members participated in this webinar. 100 rupees were collected from each of them for registration fees. E-Certificate was provided for each of them.

19. Environmental Education and Conversation Training:

Sensitizing groups of the society about the environment issues, enhancing the involvement of local government authorities, social activities group, SHG’s federation, community at large in practicing environmentally begin development process, encouraging people to build up the integrated and action oriented environmental conservation programmes. The programme is held at Vallankumaranvilai village, Mrs. S. Vijikumar, Director of TNSRO is delivered that lecture on “Roles and Responsibilities of Environmental Education and Conservation” and also the participants got sufficient training in Peoples Biodiversity Register for local resource conservation. Students, Youth including public were participated in this programme.
20. National Science Day Celebration:

To encourage the student and children in science we conducted a National Science Day program in selected schools in Nagercoil taluk on 28.02.2019. In this programme Foundation for Innovative Research in Science and Technology, Managing Trustee Mrs. S.Sudha, Dr. C.Mariappan, Assistant Professor, Head of the Department, Department of Microbiology, Sivanthi Aditinan College, Pillayarpuram and science teacher have given more information about titles scientific glory, scientific and research institution etc. Totally 255 students actively participated in this programme.

21. Project works:

We are doing project work for the students studying B.Sc., B. Tech, M.Sc., Ph.D., works. We are doing Ph.D., project work in Microbiology, Biotechnology, Animal Science, Plant Science and Zoology. The students can come over the lab and done their projects work here.

21. Organisation profile:

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<thead>
<tr>
<th>Name of Organisation</th>
<th>Foundation for Innovative Research in Science and Technology Trust (First Trust)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regn.details</td>
<td>Registered under Indian Trust Act, Regn.Number: 95/2017, sub-registrar Office, Karaikudi</td>
</tr>
<tr>
<td>Address</td>
<td>No. 7/335, Seven Eleven Complex, KelaVannan Vilai, NGO Colony Road Kottar Post, Nagercoil-629002, Kanyakumari Dt. Tamil Nadu, INDIA.</td>
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<td>Contact Number</td>
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<td>E-mail ID</td>
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<td>PAN Number</td>
<td>AAATF6094R</td>
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<tr>
<td>Contact person</td>
<td>Mrs.S.Sudha, Managing Trustee</td>
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23. Project area:
24. Conclusion:

First trust is a small, but sincere organization. Our steps are small, but the target is clear and the results are bright. We are very much thankful to our supporting agencies and organizations for making the achievements of trust in 2020-2021 a success. We strive hard to serve and we are confident that in the forthcoming years we well get more support and will do better.

We are very thankful to our Board of trustees who guided and led us in our progress. We also thank our staff, without whose help this achievement would ever have been possible.

Our Contact Address

The Managing Trustee
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