



Research Scholars' Association (RSA)

Farook Training College, Research Centre in Education



Chief Editor Prof. (Dr.) T. Mohamed Saleem



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Editor Shyma Usman Abdulla

EDITORIAL

Farook Training College has a legacy of prosperity in educational fields, with its teachers and students proving their intellectual abilities in scholastic and co-scholastic activities. Research Scholars' Association (RSA) is the vibrant association of Ph.D. aspirants, the research scholars of Farook Training College. Being a common platform for all the research scholars (full-time & part-time) and the faculty members, their sincere efforts as an association have always led the research department to attain its goal and to take off to heights.

It is an absolute pleasure to unveil the fourth issue of the newsletter of RSA, 'Bird Eye View'. The bringing forth of the reflections by the members of FTC clan on various aspects of education and research and compiling them to a newsletter had been a herculean task, as the turmoil of COVID pandemic demanded imperative segregation. However, with pride, RSA could intelligently strive this tumult with their oneness. We are obliged and express our gratitude towards Prof. (Dr). T. Mohamed Saleem, Principal, Dr. Hassan Koya M. P., Research coordinator and faculties of the institution who have contributed to strengthen it and endowed development of this association in multiple dimensions.

"Strength does not come from physical capacity. It comes from an indomitable will"
- Mahatma Gandhi



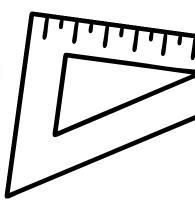
Warm greetings to everyone. Today, we are experiencing an unprecedented crisis globally. It is a matter of fact that all of us are deeply affected by the dreadful Corona pandemic. Our families, society, economy and our daily life have been struck by it and it is the need of the hour to strengthen our mind and will-power to rise and excel.

In this scenario, I applaud the Research Scholars' Association (RSA) for working tirelessly to come up with 'Bird Eye View - 2020'. Our talented and 'ever willing to work' research scholars have put great effort for the realisation of this newsletter. The sense of pride that I feel viewing the leadership of RSA members to produce such exuberant articles in such an adverse time is remarkable. As the head of institution, I am confident that this togetherness and unity will endure for future endeavours also.



ADVERSITIES AND ACHIEVEMENT IN

MATHEMATICS



Mathematics achievement problems are usually due to a combination of teaching and student factors including language, cognitive, metacognitive, motor, social and emotional factors, habits of learning and previous experiences. Habits of learning refers to how individuals view and participate in learning, their selfdiscipline and self-motivation, goal setting, engagement in learning activities, and acceptance of challenges (Gurganus, 2007). Habits that could interfere with Mathematics learning include avoidance, learned helplessness, impulsivity, little curiosity, poor assignment completion, disinterest, and working for the "right answer" rather than understanding.

According to 2011 Census of India, Malappuram is the largest district in Kerala where the Muslims are a majority. Also, the index of school student as a percentage of population reveals that the first rank is for Malappuram with an index of 1.4 (Directorate of Economics and Statistics, 2001). Thus, a study on the adversities and achievement in Mathematics among Muslim and Non-Muslim Secondary School Students in Malappuram District was relevant.

The study found that significantly more Muslim students in comparison to forward category students feel that Mathematics is difficult. Majority of the students irrespective of their category feel difficulty in understanding mathematics questions and also in remembering learned facts in Mathematics. Muslim students have only a low level of pre requisite knowledge in Mathematics. They have visibly less achievement than that of forward category students especially among high achieving and low achieving groups than the middle region of achievement distribution.

Certain factors were identified as affecting achievement in Mathematics. Adverse remarks teachers, inappropriate by learning style, unproductive library and group work, lack of individualised attention teacher, feeling neglect, inappropriate method of teaching, disorganised teaching, improper monitoring of group work, unsuitable classroom physical environment and not equipping for exam. Various related adverse factors like lack of positive expectancy, feeling of difficulty, negative peer influence, lack of peer support in learning, fear of teacher and naive concept of learning and family related adverse factors, namely, lack of parental focus on high achievement, lack of effective parent teacher relation, lack of negative family support, family environment, and negative influence of TV were also noted in the study.



DR. MUMTHAS N. S.ASSOCIATE PROFESSOR





There were around 2.5 million internal migrants in Kerala according to a 2013 study by the Gulati Institute of Finance and Taxation. Every year, the migrant worker population in Kerala increases by 2.35 lakh (235,000) people. Along with the migrants there comes their family. The children of migrants need to be educated as education is their right. But their education demands new medium, study materials and methods. Along with this there are many problems associated with the education of migrant children.

'Roshni' project aims at the educational development of migrant workers' children in Ernakulam District. The district administration launched the programme 'Roshni' with support from District Panchayath, Education Department, SSA and NGOs to enhance the social participation and educational performance of migrant children. This is a unique programme in the state targeting one of the most backward groups in the society. The pilot project was successfully implemented from October 2017 to February 2018 in four selected schools, in which the highest number of migrant children study in Ernakulam district and it is extended to 14 more schools in the district in this academic year.

DEEPTHI E. P.RESEARCH SCHOLAR
PART-TIME



As per a survey conducted by SSA, Ernakulam, than 2500 migrant children more predominantly from Bihar, West Bengal, Karnataka, Tamil Nadu, Odisha, Assam, and Nepal are enrolled to the schools in the district. But studies show that these children are not regular to classes and many of them even drop out from the school in the middle of the academic years. Belonging to different linguistic communities and being in a classroom with instructional language Malayalam, the children found it difficult to be one with the school's environment. It was in this context that the District Administration launched Roshni project.

The project helps migrant children acquire proficiency in Malayalam, English, and Hindi using the strategy of code-switching through special packages and by taking extra morning hours of about 90 minutes before the morning classes. Educational volunteers who are proficient in Hindi, Bengali and Oriya are contributing a lot to this project. This helps to communicate easily with children and understand their problems. Providing balanced minimum morning food, conducting comprehensive intellectual workshops and study tours for migrant labourers' children are part of this project. Bharat Petroleum Corporation provides the financial aid to Roshni project. Thus the 'Roshni' project helps to achieve the concept of Right to Education.



ART INTEGRATION IN MATHEMATICS

The National Curriculum Framework (NCF, 2005) recommends Art education as a subject as well as a pedagogical tool to make teaching and learning of other subjects more meaningful. Art integration is a trend in the education system and research in this area has signified its advantages in teaching and learning many traditional subjects. The most important aspect of this strategy is that it encourages students to explore different subjects deeply through the integration of various forms of art.

Art infusion allows students to do more than just memorizing the content and process of solving particular problems. It encourages learners to search for alternative ways of viewing problems, make their own meaning out of them, and apply this to update their knowledge and skills. Integration of art is possible at all levels of the education system. Students engage in a creative process which connects an art form and another subject area and meets evolving objectives in both.

Mathematics has a vital role in our culture and civilization and it has secured a dominant place in school curriculum throughout the world. But the majority of students consider Mathematics as a dry subject and see it as a herculean task. Mathematics can be viewed as an art which has its own elegance, harmony, symmetry, simplicity, intricacy, surprise and grandeur. At the same time, work in art has a Mathematical basis. But experiences of art are generally enjoyed students, whereas Mathematics classrooms are not felt to be very interesting to students. Art develops a dynamic classroom environment, where students and teachers engage in the teaching learning process, encouraging accurate observation, communication and expression.

Mathematics is treated as a cognitive, thinking, rational, logical, left brain activity, while Art is treated as feeling, creative, and right brain activity. Both Mathematics and Art can be used to observe, describe, and imitate the natural world. Brain research demonstrates that learning activities which stimulate both cognitive and affective areas of the mind are vital to its optimal development. Integrating art with Mathematics education is found to activate both halves of brain leading to whole brain development. It meets the needs of diverse learning styles and multiple intelligences. It helps to enjoy math more or to alleviate math anxiety. It also helps in building a bridge between concrete and abstract Mathematical ideas, catering to the needs of the diverse learning community, motivating learners, making learning of mathematics interesting and reducing Mathematical anxiety. Art integration in Mathematics is a paradigm shift of traditional classroom teaching.



SARITHA A. S.RESEARCH SCHOLAR
FULL-TIME

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5 Bird View

SWITCH OFF OFFLINE SWITCH ON ONLINE

THE PROJECT 'WHITEBOARD' FOR SCHOOL CHILDREN WITH SPECIAL NEEDS IN KERALA

Considering the inability of physical access of CWSN to the educational institutions in the COVID period, 'White Board' is the special project designed and put forward by the Department of Public Instruction and Samagra Siksha Kerala (SSK). The aim of the project is to improve the learning circumstances and opportunities of differently abled children studying in public schools in Kerala. The initiative comprises the preparation distribution of online video lessons to address the learning needs of the deprived category of students. Block Resource Centers(BRCs) carry out the designing and preparation of such lessons, which are later assessed by Kerala State Council of Educational Research and Training (SCERT).

The online lessons for all the subjects for students from Grade 1 to 10 were prepared under this project. The lessons were prepared keeping in focus with the six categories of students namely Autism spectrum Disorder, Cerebral Palsy, Intellectual disability, Hearing Impairment, Visual Impairment and Specific Learning Disability. The whole package of video lessons was prepared by the cumulative effort of 2500 special teachers, SSK officers, teachers from the Department of Public Instruction, DIET faculties and 168 BRCs.

The prepared materials are disbursed to the students concerned through social media platforms such as YouTube and Telegram. In addition to these lessons, special assistance and learning support based on the lessons are provided via. separate WhatsApp groups based on the categories like class, discipline and nature of disability. The members of the group constitute the child, the special teacher, the subject teacher, the class teacher and the guardian of the child.



HIMNA P. A.RESEARCH SCHOLAR
FULL-TIME

SHYMA USMAN

ABDULLA

RESEARCH SCHOLAR

FULL-TIME





The project also includes distribution of ample and appropriate worksheets based on the disability, directly to the homes of such students. Also, to monitor the functioning and effectiveness of the whole project, members assigned by the BRC level Core Committee also make periodical home visits.

The broadcast of the lessons was commenced from June 2020 in YouTube channel, 'WHITE BOARD SSK' and currently 81,982 students and 41,231 students from elementary and secondary level, respectively, are recipients of this initiative. In the preparation phase of the online video lessons BRC Core Committee members take into strict consideration the strategies to be employed for each content, appropriate learning materials and most importantly, the method of evaluation of the student's learning. The preparation is headed by District Educational Officer (DEO), Assistant Educational Officer (AEO), BPC etc.

The members from BRC working on this project also keep updated with the principal and class teacher of the school concerned where the child with disability is studying and confirms that they are availed and is employing the provided White Board learning materials to the full extent. Resource teachers play the important role of assisting the subject teachers in executing the adaptation activities for differently abled in their respective classes. They also have to maintain the records of pupil participation in the learning process, their responses and reflective notes based on the continuous and comprehensive evaluation performed. The effectiveness and quality of transaction of content to CWSN through the White Board learning resources are examined by BPCs and District Programme Officer of the BRCs, for the purpose of further improvisations in any stage of the project, if needed.

6 BirdoView

The NEP 2020 aims at making India a global knowledge superpower. It is only the third major revamp of the framework of education in India since independence. The two earlier education policies were brought in 1968 and 1986. NEP 2020 aims to facilitate an inclusive, participatory and holistic approach, which takes into consideration field experiences, empirical research, stakeholder feedback, as well as lessons learned from best practices. It is a progressive shift towards a more scientific approach to education. The prescribed structure will help to cater the ability of the child stages of cognitive development as well as social and physical awareness.



Higher Education:

- Gross Enrolment Ratio in higher education to be raised to 50% by 2035. Also, 3.5 crore seats to be added in higher education.
- Holistic Undergraduate education with a flexible curriculum can be of 3 or 4 years with multiple exit options and appropriate certification within this period.
- M.Phil courses will be discontinued and all the courses at undergraduate, postgraduate and PhD level will now be interdisciplinary.
- Academic Bank of Credits to be established to facilitate Transfer of Credits.
- Multidisciplinary Education and Research Universities (MERUs), at par with IITs, IIMs, to be set up as models of best multidisciplinary education of global standards in the country.
- The National Research Foundation will be created as an apex body for fostering a strong research culture and building research capacity across higher education.

 Higher Education Commission of India (HECI) will be set up as a single umbrella body for the entire higher education, excluding medical and legal education.

School Education:

- Universalization of education from preschool to secondary level with 100% Gross Enrolment Ratio (GER) in school education by 2030.
- To bring 2 crore out of school children back into the mainstream through an open schooling system.
- The current 10+2 system to be replaced by a new 5+3+3+4 curricular structure corresponding to ages 3-8, 8-11, 11-14, and 14-18 years respectively.
- Class 10 and 12 board examinations to be made easier, to test core competencies rather than memorised facts, with all students allowed to take the exam twice.
- School governance is set to change, with a new accreditation framework and an independent authority to regulate both public and private schools.
- Emphasis on Foundational Literacy and Numeracy, no rigid separation between academic streams, extracurricular, vocational streams in schools.
- Vocational Education to start from Class 6 with Internships.
- Teaching up to at least Grade 5 to be in mother tongue/regional language. No language will be imposed on any student.
- Assessment reforms with 360 degree Holistic Progress Card, tracking Student Progress for achieving Learning Outcomes
- A new and comprehensive National Curriculum Framework for Teacher Education (NCFTE) 2021, will be formulated by the NCTE in consultation with NCERT.

NEP 2020

Highlights

PREETHA GEORGE RESEARCH SCHOLAR FULL-TIME





EDUCATION AS INVESTMENT

An investment is an asset or item accrued with the goal of generating income or recognition. Investment in education is an asset to attain an increase in values over a period of time. Education as an essential activity in the development of a society and it has an essential role in creating a new life style specific for a society, based on knowledge and learning. Education leads to upward mobility and it enhances productive, skilled and responsible individuals, which helps in economic development.



Education provides opportunity for job and thereby development. No country can achieve sustainable economic development without substantial investment in human capital. Education raises people's productivity and creativity which promotes technological advancement. Human capital is one of the most important components for economic development in any country. In the context of educational and economic planning, where former is long term while the latter is short term. Therefore, we are awaiting the return of the investment in education sector after a minimum of twenty years. At the same time the investment in industry and agriculture is returned within a short span of time.

The National Policy on Education, 1986 categorically states that "education as investment" that is, each paise that we spend on education, awaiting its return in the form of compound interest. As a part of it the state provides free food, books and uniform to all the primary school children. The state also takes necessary steps for giving proper attention and care to each individual for attaining the total growth and development of the individual child. The state also takes initiative for providing the necessary infrastructural, instructional and human resources. Systematic reviews and continuous and comprehensive evaluation are also being conducted for ensuring proper individual development.



SUKANYA RANI P.
RESEARCH SCHOLAR
FULL-TIME

In the context of information and technology the whole education system is undergoing significant changes that influence the whole process of teaching, learning and evaluation. In order to maximize the output qualitatively and quantitatively, utmost care is also being taken by the teachers, parents and local body authorities concerned to identify the innate potentiality, ability, capacity and creativity of the individual. Thereby the society gets the benefit of maximum return from education investment in the form of better engineers, doctors, teachers, lawyers, farmers, labourers etc. Then only we can say that we have succeeded in our academic endeavour as per our national aspirations that "education as investment".





ADIEU

Dr. C. A. Jawahar retired from service on March 31 after successful completion of 28 years of service. He has been the Principal of Farook Training College for the last six years and served as Associate Professor, Department of Physical Education, Farook Training College for 22 years. During his tenure he has been blessed to serve as the member of various educational and professional bodies like Faculty of Education and Board of Studies of different Universities. Dr. C. A. Jawahar in his farewell message acknowledged the credit of his successful principalship as the constant support of teaching and non-teaching staff, students and parents.

"The college has witnessed immense academic and infrastructural developments during his tenure. We proudly remember and thank, the cherished and memorable contributions done towards the growth and upliftment of our college and the remarkable support to the Research Scholars' Association."









TRIUMPH

"The Research Scholars' **Association heartly congratulates** Dr. T. Mohammed Saleem, **Principal, Farook Training College** for his achievement of the Best **Teacher Educator Award by National Council of Teacher Education, for his excellent profile** and experience in the field of education."



राष्ट्रीय अध्यापक शिक्षा परिषद (भारत सरकार का एक सांविधिक निकाय)



Date: 29-10-2020.

Announcement of Result Best Teacher Educator Award 2019

List of the candidates selected for the Best Teacher Educator Award for Degree and above Level (Region-wise):

- Dr. Sindhya V
- 3. Dr. T. Mohamed Saleem
- 4. Dr. Tripta Trivedi Dr. Sarita Sharma
- Ua Ann Dsouzz
- 7. Dr. Rajiv Choudhary
- 8. Dr. Shinku Kumar Singh
- 9. Dr. Prakash Chandra

(Northern Regional Committee) (Western Regional Committee)

(Southern Regional Committee)

(Southern Regional Committee)

(Northern Regional Committee)

(Western Regional Committee) (Eastern Regional Committee)

List of the candidates selected for the Best Teacher Educator Award for Diploma Level (Region-wise):

- 1. Sh. Vinayaka Kr. Pakala
- Ms. Poonam Garg
 Sh. Bolli Mahesh K. Srinivas
- 4. Ms. Rashmi Prabha
- 5. Ms. Lipika Sahu

(Southern Regional Committee) (Northern Regional Committee) (Western Regional Committee)

(Eastern Regional Committee) (Eastern Regional Committee)

(Dinesh Kumar Chaturvedi)

* Letter/Communication shall be sent to the awardees through e-mail.

He was honoured by our college on 2nd December 2020 and the programme took place through the online platform Google meet and was telecasted in the college YouTube channel, Gurudarshan. The student's union chairman, Mr. Sreehari R., welcomed the gathering. Presidential Address was given by Jb. P. K. Ahammed, Chairman of Farook College. The programme was inaugurated by Dr. K. T. Jaleel, Minister for Higher Education, Welfare of Minorities, Wakf and Hajj Kerala. The Minister, who is an alumnus of Farook Training College, reminded that the awardee who has more than a quarter of a century of teaching experience, is asset to the community and future generations. The chief guest also pointed out that he is a great inspiration to all teaching aspirants and also mentioned about academic and non-academic excellence.

The Inaugural session was followed by a video presentation which showcased the awardee's outstanding career growth and achievements. Mr. S. Muhammed Yunus, Secretary, Farook Training College, Prof. E. P. Imbichi Koya, Manager, Farook Training College, Mr. Noufal C., Union Advisor, Mr. Muhammad Sareef, Staff Secretary and Mr. Vipin, Union Representative spoke in this occasion by praising this glorious achievement. Mr. Midhun Gopi, the student representative formally thanked the programme.

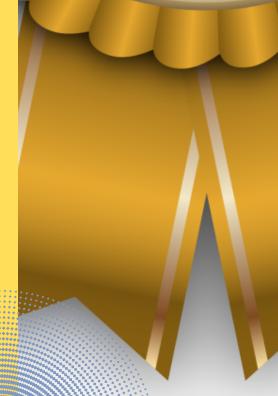
10 Bird View

LA VICTOIRE

"The Research Scholars'
Association cordially applauds and congratulates Dr. Mumthas N. S.,
Associate Professor, Farook
Training College for her achievement of Dr. K. Soman
Memorial Award for the 'Teacher
Educator of the Year 2020 at B. Ed. /
M. Ed. Level' presented by Council for Teacher Education Foundation
(CTEF), for her lifelong achievements in the field of education."

academic journey in She started her prestigious institution in the year 1996 and with her 24 years of experience she has made substantial contributions to the field of teacher education and research. She has made her mark within the academic community with multifarious research papers published in several national and international journals. She is also a much soughtafter resource person to various FDPs conducted by reputed universities. She has won several accolades over the span of her career including 'Best Teacher Educator Award' by the University of Calicut.



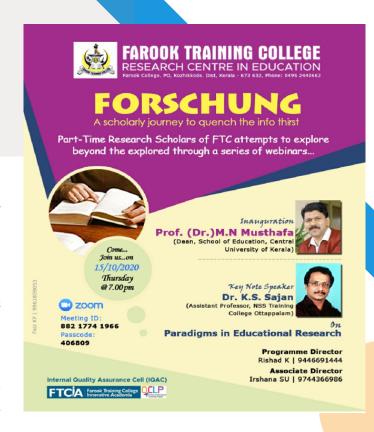




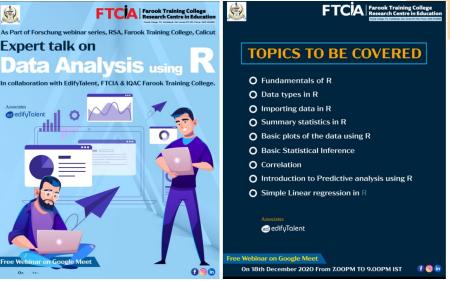
FORSCHUNG

Forschung, the webinar series organized by the Part time research scholars of FTC was inaugurated by Prof. Dr. M. N. Musthafa (Dean, School of Education, Central University of Kerala). Mr. Rishad K. (Program Director) presented the welcome note, Dr. T. Muhammed Saleem (Principal, FTC) presented the Presidential address and felicitations were delivered by Dr. Hassan Koya M. P. (Research Coordinator) and Dr. Manoj Praveen G. (IQAC Coordinator). Dr. Sajan K. S. (Part time Research Scholar, FTC and Assistant Professor, NSS Training College, Ottappalam) delivered the keynote address on 'Paradigms in Educational Research'.

The program conducted through Zoom platform on 15th October was concluded with the vote of thanks by Ms. Irshana Shahnaz (Program Associate Director)







A webinar session on Data Analysis using R for Researchers, Academicians & Students was organized by Forschung & IQAC Farook Training College on 18th December 2020 in collaboration with Edify Talent, Finland over Google meet from 7pm to 9 pm. The program was inaugurated by College Principal, Dr. T. Mohammed Saleem. A talk followed by hands on demonstration session was presented by Mr. Mahesh of Edify Talent.

The session covered the topics Fundamentals of R, Data types in R, Importing Data in R, Summary Statistics in R, Basic plots of the data using R, Basic Statistical Inference, Correlation, Introduction to Predictive Analysis using R, Simple Linear Regression in R. Dr. Manoj Praveen. G. (Coordinator IQAC), Dr. Hassan Koya M. P. (Research Coordinator) & Mr. Rishad Kolothumthodi (Director, Forschung) led the programme. Ms. Irshana Shahnaz (Associate Director, Forschung) and Mr. Sanjar (Edify Talent) presented the welcome address and the vote of thanks respectively.



AVENEWS 2020

To empower professionalism, the Department of Research of Farook Training College, conducted a series of programmes under the title 'Avenews-2020'. Addressing the needs of research aspirants during COVID lockdown, all the programmes which included webinars, lectures and group discussions were organized and conducted by the full-time scholars via. online platforms.

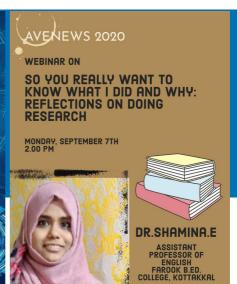
OBJECTIVES OF THE PROGRAMME

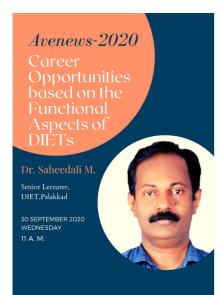
- To empower professionalism among research scholars
- To introduce innovations in research methodology
- · To enhance life skills and soft skills
- To discuss current issues in education and research

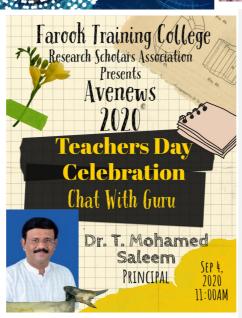


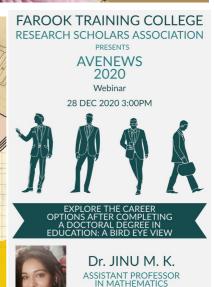












AITE, THRISSUR







MROOK TRAINING COLLEGE



Dr. Udayasree K.



Dr. Smitha R.



Dr. Rajula V. V.



Dr. Vijesh K.



Dr. Suneera A.



Dr. Ranjithlal P. K.



Dr. Shanthikrishna C.



Dr. Reshma P. T.



