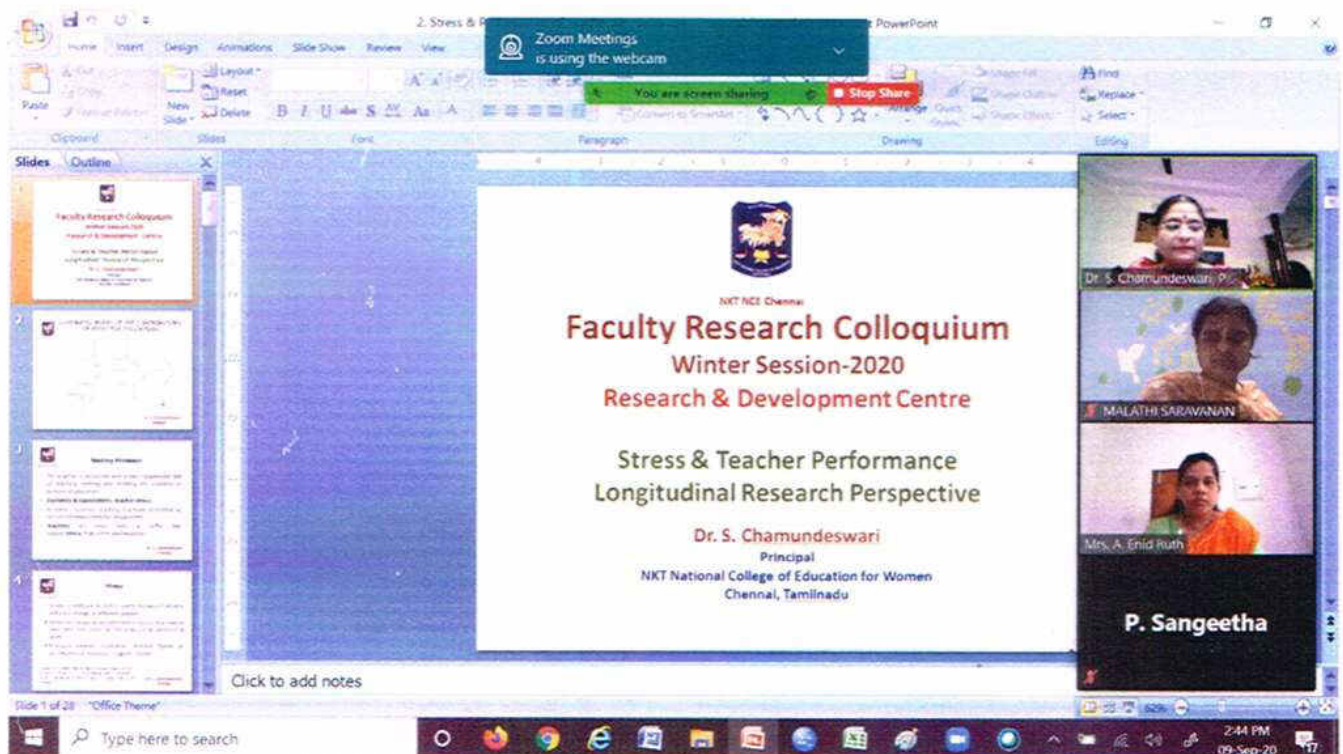


Research Circle - Faculty Research Colloquium



**N.K.T. NATIONAL COLLEGE OF EDUCATION FOR WOMEN
(Autonomous)**

**Research & Development Centre
Faculty Research Colloquium: Winter Session
2020-2021**



9th to 11th September 2020

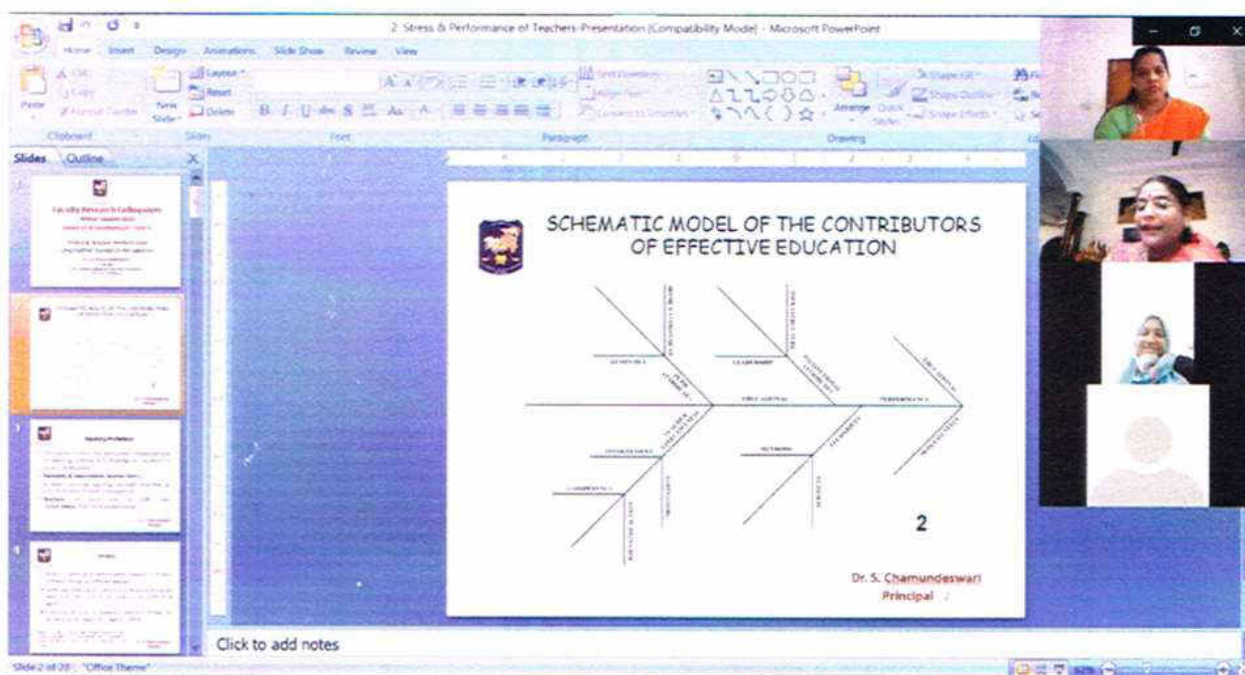

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TRIPPLICANE, CHENNAI-600 005.

Research & Development Cell
Faculty Research Colloquium: Winter Session
9th to 11th September 2020

Day-1: Stress & Teacher Performance: A Longitudinal Research Perspective

Date: 09-09-2020

Resource Expert: Dr. S. Chamundeswari, Principal

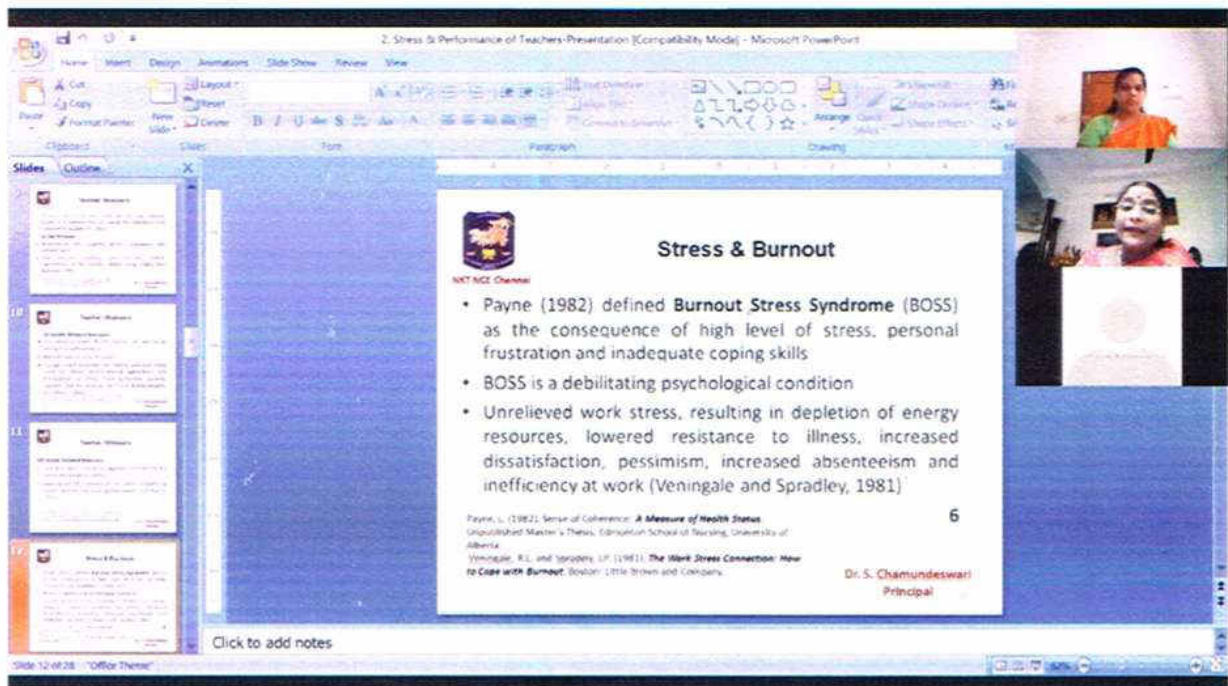


On Day-1, the Principal, Dr. S. Chamundeswari, welcomed all Faculty Members and Research Scholars of the College to the Faculty Research Colloquium organized by the R & D Centre of the College and Co-ordinated by Dr. N. Kalai Arasi, the R & D Centre coordinator.

The Principal addressed that the Faculty Research Colloquium has been initiated for the first time and henceforth there would be two sessions of the Colloquium, Winter Session during the months, September-October and the second the Summer Session during the months April-May each year. The Colloquium is being initiated with the aim to share research expertise among Faculty members and Research Scholars for better research perspectives.


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She addressed on the topic Stress & Teacher Performance: A Longitudinal Research Perspective



Profession of teaching is based upon a specialization on a certain field, teaching skills, didactics and some certain personal characteristics that the profession requires.

A teacher has many roles throughout the day, therefore requires various qualities to be an outstanding educator.

While the personal characteristics, which may be a predisposition or may be developed/ acquired over a period of time, is very important to be an effective teacher along with the Environmental Determinants both at work and home also play a very significant role in influencing not only the performance of teachers but also their attitudes and other attributes.

It is so evident that professionals who deal with people are more subjected to stress when compared to others. Focusing on Teachers their work load as well as the nature of work has all gone for a toss and it has become all the more stressful for them and as a result

Today.....Teachers are at high risk of stress-related disorders.


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There is a reasonably large body of published research evidence available which indicates that teaching is a 'highly' or 'extremely highly' stressful occupation for up to one-third of its professionals.

James Hilton, In his book 'Leading from the Edge,' speaks of how teaching stress is not simply the result of being overworked and underpaid.

It can be the result of prolonged stress, of feeling isolated and unsupported. He talks from personal experience describing how even though he thought everything was going well, his body was showing signs of stress through increasing back pains and migraines.

But these kinds of problems can be a physiological response to stress and anxiety and should be taken seriously.

Otherwise, they can quickly build to cause long-term damage to our physical and mental health.

It appears that annually thousands of teachers feel unable to carry on with their jobs and have laid down their chalks

Research estimates that between **19% and 30%** of new teachers leave the field within the first five years of teaching, which can negatively affect student learning (Guin, 2004; Kraft & Papay, 2014).

- Thus, every individual has an optimum level of stress under which he or she will perform to full capacity.
- If the stress experience is below this capacity then boredom or apathy sets in & it may result in withdrawal from work.
- In contrast, when the stressors are too many and too intense, the performance falls and it might lead to burnout

There has been lot of research amazed on Stress & Burnout of Teachers.

According Maslach and Leiter (1981) Burnout is (i) emotional exhaustion (ii) depersonalization and (iii) decreased personal accomplishments.

They postulated that burnout occurs when there is a disconnection between the organization and the individual with regard to what they called the six areas of work life: workload, control, reward, community, fairness, and values.

Freudenberger (1977) noted that sometimes burnt out people do not see themselves as cynical and depressed. They find fault with everything and everyone around them, complaining about the organization and reacting critically to whatever is suggested by others. Hindrickson (1979) pointed out that a burnt out teacher is losing or has lost the energy and enthusiasm needed to teach children.

Teacher stress & burnout has an additional impact on the society, in that the teacher's state of mental health has a direct influence on the educational process.

How the teacher instructs has more relevance than what is taught.

A teacher who is low on morale, high on frustration and is detached from the students obviously is not able to be effective in the classroom.

The Statistical data and analysis of Stress, Burnout & Teacher Performance was discussed in detail and the results were discussed to understand the causes of stress in the Indian scenario.

The Regression Analysis using SPSS was demonstrated by the Principal for a better understanding of use of SPSS.

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.777 ^a	.604	.593	1.484
2	.804 ^a	.645	.631	1.381
3	.826 ^a	.688	.672	1.309

a. Predictors: (Constant), Home Stressor, Health Stressor

Next Principal addressed that Use of Machine Learning in the field of Education is gaining momentum in the present days

Machine Learning

Machine Learning is when you train a system to learn those patterns and try to predict the upcoming pattern. Machine learning is an application of artificial intelligence (AI) that provides systems the ability to automatically learn and improve from experience without being explicitly programmed. It is seen as a subset of artificial intelligence.

In the 1950s, a handful of scientists from a variety of fields (mathematics, psychology, engineering, economics and political science) began to discuss the possibility of creating an artificial brain. The field of artificial intelligence research was founded as an academic discipline in 1956.

Prof. John McCarthy, who graduated from Princeton University, California, US is considered to be the Father of Artificial Intelligence.

Artificial intelligence, sometimes called machine intelligence, is intelligence demonstrated by machines, unlike the natural intelligence displayed by humans and animals. Artificial intelligence (AI) refers to the simulation of human intelligence in machines that are programmed to think like humans and mimic their actions. The term may also be applied to any machine that exhibits traits associated with a human mind such as learning and problem-solving.

Artificial intelligence is impacting the **future** of virtually every industry and every human being.

Artificial intelligence has acted as the main driver of emerging technologies like big data, robotics and IOT (Internet of Things), and it will continue to act as a technological innovator for the foreseeable future. The goal of AI is to make a smart computer system like humans to solve complex problems.

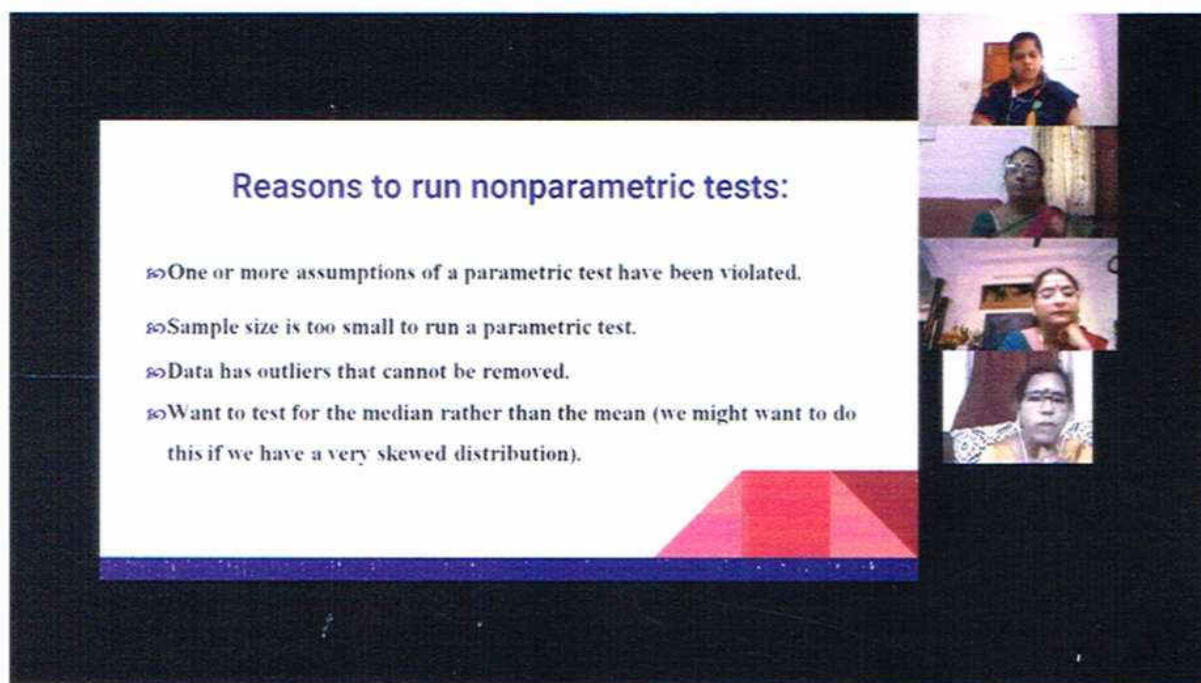
An example of analysis using Machine Learning was demonstrated and session ended with a note of thanks by the Centre coordinator, Dr. N. Kalai Arasi.



Day 2: Distribution Free Tests or Non Parametric Test

Date : 10-09-2020

Resource Expert: Dr. N. Kalai Arasi, Associate Professor



Reasons to run nonparametric tests:

- One or more assumptions of a parametric test have been violated.
- Sample size is too small to run a parametric test.
- Data has outliers that cannot be removed.
- Want to test for the median rather than the mean (we might want to do this if we have a very skewed distribution).

A non parametric test (sometimes called a distribution free test) does not assume anything about the underlying distribution (for example, that the data comes from a normal distribution). That's compared to parametric test, which makes assumptions about a population's parameters (for example, the mean or standard deviation); When the word "non parametric" is used in stats, it doesn't quite mean that you know nothing about the population. It usually means that you know the population data does not have a normal distribution.

When to use it

Non parametric tests are used when your data isn't normal. Therefore the key is to figure out if you have normally distributed data. For example, you could look at the distribution of your data. If your data is approximately normal, then you can use parametric statistical tests..

If your distribution is not normal (in other words, the skewness and kurtosis deviate a lot from 1.0), you should use a non parametric test like Chi-Square test.

Data Types

Does your data allow for a parametric test, or do you have to use a non parametric test like chi-square? The rule of thumb is:

For nominal scales or ordinal scales, use non parametric statistics.

For interval scales or ratio scales use parametric statistic

Other reasons to run nonparametric tests:

One or more assumptions of a parametric test have been violated.

When the sample size is too small to run a parametric test.

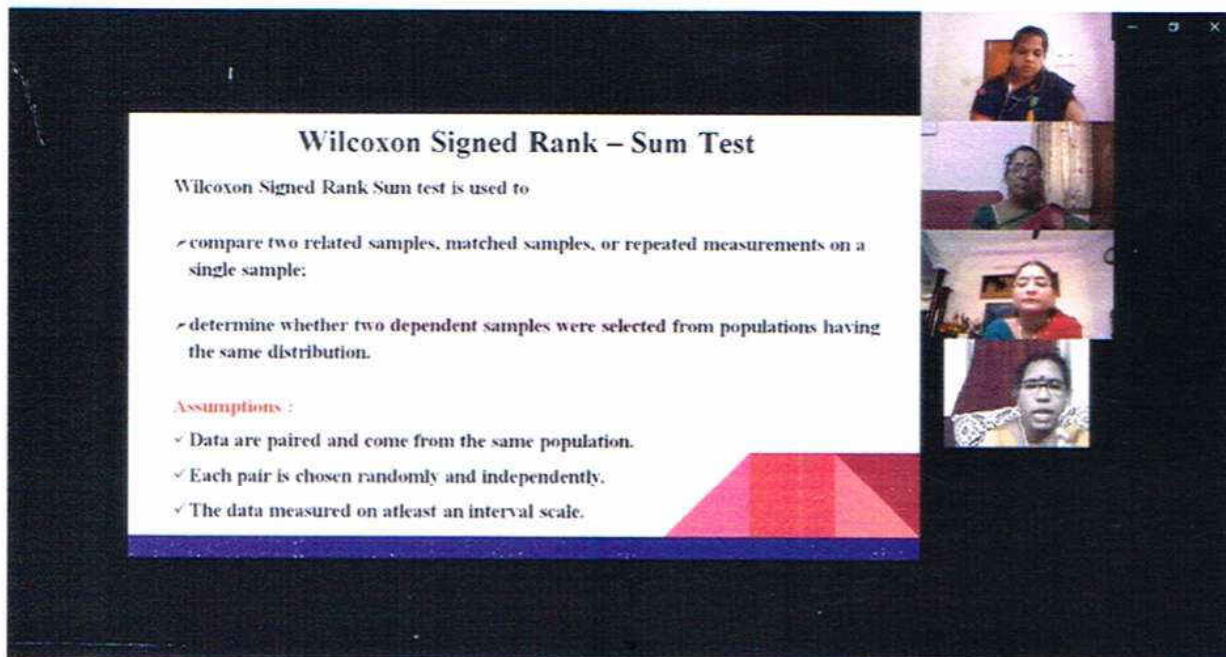
When data has outliers that cannot be removed.

When we want to test for the median rather than the mean (we might want to do this if we have a very skewed distribution).

Types of Nonparametric Tests

When the word "parametric" is used in stats, it usually means tests like ANOVA or a t test. Those tests both assume that the population data has a normal distribution. Non parametric do **not** assume that the data is normally distributed. The only non parametric test you are likely to come across in elementary stats is the Chi-Square test. However, there are several others. For example: the Kruskal Willis test is the non parametric alternative to the One way ANOVA and the Mann Whitney is the non parametric alternative to the two sample t test.


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Wilcoxon Signed Rank – Sum Test

Wilcoxon Signed Rank Sum test is used to

- ✓ compare two related samples, matched samples, or repeated measurements on a single sample;
- ✓ determine whether two dependent samples were selected from populations having the same distribution.

Assumptions :

- ✓ Data are paired and come from the same population.
- ✓ Each pair is chosen randomly and independently.
- ✓ The data measured on atleast an interval scale.

The main nonparametric tests are:

1-sample sign test. Use this test to estimate the median of a population and compare it to a reference value or target value.

1-sample Wilcoxon signed rank test: With this test, you also estimate the population median and compare it to a reference/target value. However, the test assumes your data comes from a symmetric distribution (like the Cauchy distribution or uniform distribution).

Friedman test: This test is used to test for differences between groups with ordinal dependent variables. It can also be used for continuous data if the one-way ANOVA with repeated measures is inappropriate (i.e. some assumption has been violated).

Goodman Kruska's Gamma: a test of association for ranked variables.

Kruskal - Wallis test. Use this test instead of a one-way ANOVA to find out if two or more medians are different. Ranks of the data points are used for the calculations, rather than the data points themselves.

The Mann-Kendall Trend Test: looks for trends in time-series data.

Mann-Whitney test: Use this test to compare differences between two independent groups when dependent variables are either ordinal or continuous.

Mood's Median test: Use this test instead of the sign test when you have two independent samples.

Spearman Rank Correlation: Use when you want to find a correlation between two sets of data.

The following table lists the nonparametric tests and their parametric alternatives.

Nonparametric Test	Parametric Alternative
1-sample sign test	One-sample Z-test, One sample t-test
1-sample Wilcoxon Signed Rank test	One sample Z-test, One sample t-test
Friedman test	Two-way ANOVA
Kruskal-Wallis test	One-way ANOVA
Mann-Whitney test	Independent samples t-test
Mood's Median test	One-way ANOVA
Spearman Rank Correlation	Correlation Coefficient

Kruskal - Wallis Test (H Test)

A certain problem involves K populations from which K samples are randomly selected.
 The samples are not necessarily of equal size.
 Each of the samples must have more than 5 observations.

Assumptions :

- Samples are random samples.
- The samples are mutually independent.
- The measurement scale is atleast Ordinal scale.

H_0 : K populations are identical or Samples are from identical population.



Advantages and Disadvantages

Compared to parametric tests, nonparametric tests have several advantages, including:

- More statistical power when assumptions for the parametric tests have been violated. When assumptions haven't been violated, they can be almost as powerful.
- Fewer assumptions (i.e. the assumption of normality doesn't apply).
- Small sample sizes are acceptable.
- They can be used for all data types, including nominal variables, interval variables, or data that has outliers or that has been measured imprecisely.
- However, they do have their disadvantages. The most notable ones are:
 - Less powerful than parametric tests if assumptions haven't been violated.
 - More labor-intensive to calculate by hand (for computer calculations, this isn't an issue).
 - Critical value tables for many tests aren't included in many computer software packages. This is compared to tables for parametric tests (like the z-table or t-table) which usually are included.

The session ended with a note of appreciation by the Principal, Dr. S. Chamundeswari.

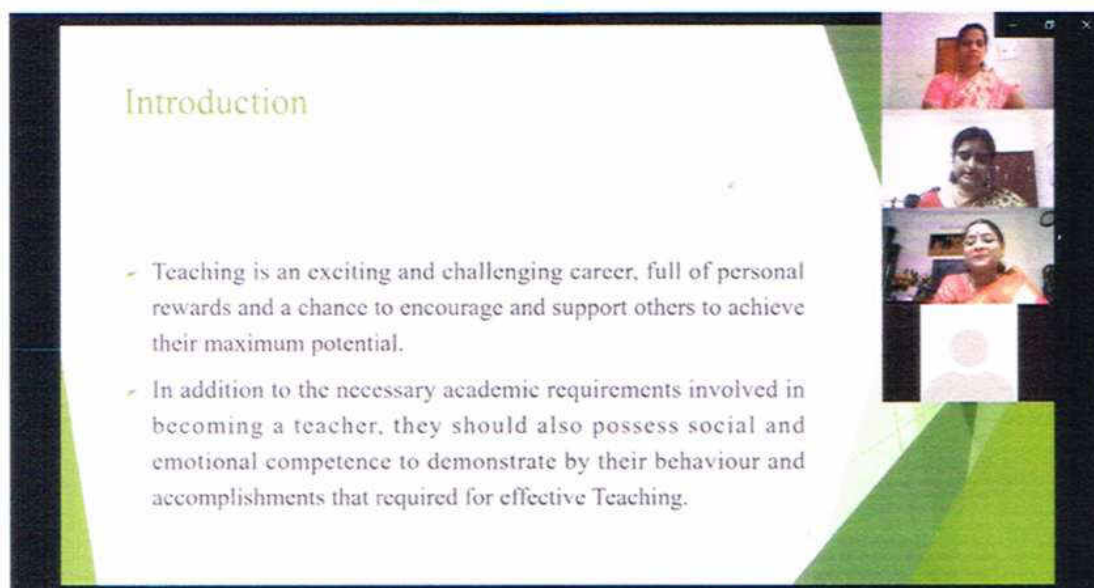


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Day 3: Outcomes of UGC Funded Projects

Date: 11-09-2020

Resource Expert: Dr. S. Malathi, Dean of Academics & IQAC Coordinator



Dr. S. Malathi Associate Professor of Education emphasized the outcomes of funded projects taken by her.

I. UGC Funded Major Research Project (2015 - 2018)

Title: Enhancing Socio - Emotional Competence and Abilities of Student teachers through Social Capital and Knowledge Sharing Interventions.

She highlighted the importance of socio - emotional competence of student teachers and also develop social capital and knowledge sharing intervention module to enhance social emotional competence among student teachers. Student teachers were selected for the study based on the scores obtained in control variables. They were split into two groups –Experimental group and control group, each having 63 student teachers. Experimental group was exposed to an intervention programme developed by the investigator where the module in social capital and knowledge sharing were exposed using different technologies. The result of pre-test and post – test data analysis indicated that there is an improvement in socio- emotional competencies such as self – awareness, self- management, social awareness and relationship skills.


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It is evident that the intervention modules of social capital and knowledge sharing are very much effective in enhancing socio-emotional competence. Considering the gain scores of student teachers, it is interesting to note that there is significant difference between the control and experimental group student teachers in socio-emotional competence. Hence it is understood that knowledge sharing and social capital plays a vital role in enhancing the socio-emotional competence. Therefore, it is important that curriculum developers and eminent educationists should develop the teacher education curriculum by integrating the techniques of knowledge sharing and social components in the syllabus so as to enhance socio-emotional competence among student teachers which is the need of the hour and that can improve the quality of teacher education as well.

II. Tool Development Funded by National Testing Service – India (A Central Scheme of the MHRD, Department of Higher Education)

Title: Adolescents' Affective Characteristics Scale (AACS)

Dr. S. Malathi felt the need to have a comprehensive tool which touch as upon the essential domains of the daily life. Keeping this in the mind "Adolescents' Affective Characteristics Scale" tool has been developed.

The item generation process was initiated with a help of 12 experts who are involved in teaching, training and counseling the adolescents. Common domains were chosen on which each expert generated 20 items. Broader areas like personal, Family, relatives, peers, friends, teachers, sibling's neighbours, groups, society, culture and media were chosen as they are intricately related with a typical adolescent life.

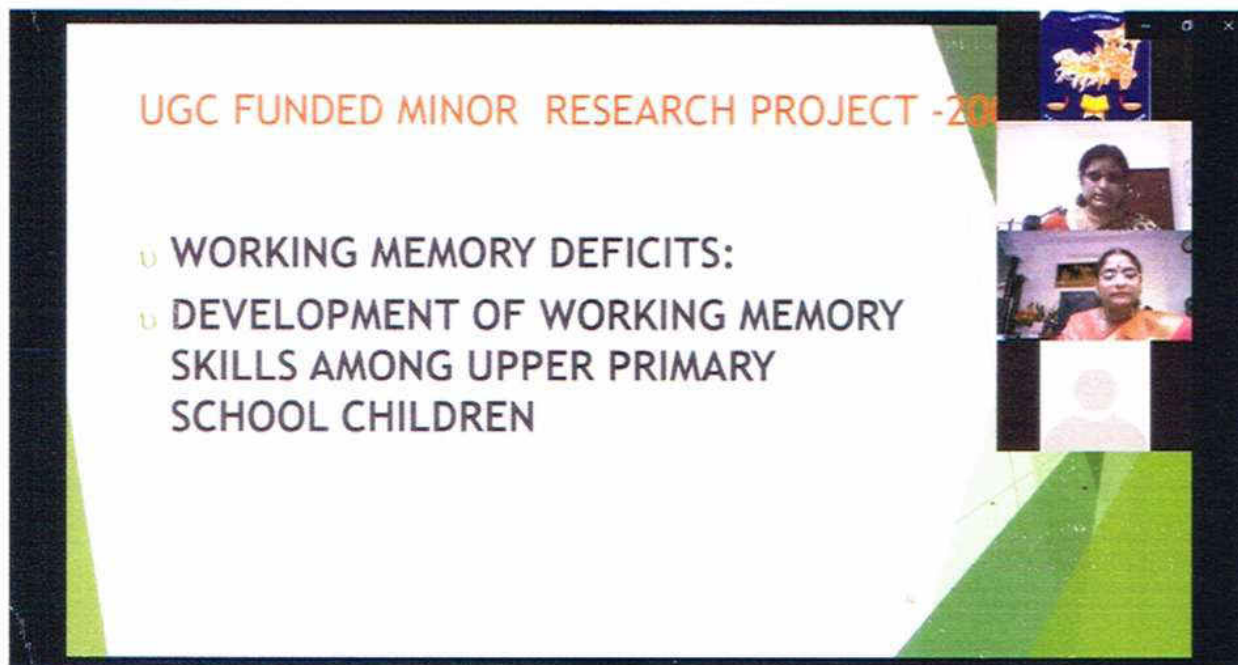
Total of 240 items were pooled up. Experts' Opinion was obtained further refinement from the point of view of the objective understanding, meaningfulness relevance and simplicity. On the basis of their opinion modification alterations and projections were made from the initial pool of 240 item 16 items were rejected. Changes were made with regard to terms and phrases used in the items. To determine the affective tone of these items. AACS was put to preliminary trials with 50 male and 50 female students. Comments on the items for their comprehensibility and Appropriateness were sought from the students. This refinement process improved the

status of the items. Certain items with similar tone and less comprehensibility were dropped. Thus the present scale consists of 200 items. These items are distributed into 6 domains such as Personal, Home, School/ College, Peer group, Society, Attitudes, values and interest. Reliability and validity has been established and it can be applied for future research and investigation in this area.

III. UGC Funded Minor Research Project (2004 - 2006)

Title: Working Memory Deficits: Development of Working Memory Skills Among Upper Primary School Children.

Dr. S. Malathi has highlighted about working memory skills. Working memory plays a key role in supporting children's learning over the school years and beyond this into adulthood. So an attempt is made by her in the present context to present the case that working memory makes a vital contribution to classroom learning and to draw out necessary conclusions which hopefully serve both administrators and teachers of school organizations to take necessary steps in improving the working memory skills of the learners.



Working memory skills were assessed by a test battery designed to tap individual components of (Pickering and Gathercole, 1999) working memory model. The working memory battery developed by the investigator is composed of 6 tests designed the

three subcomponents such as central executive: visuo-spatial memory and phonological loop of working memory.

This project results provides substantial evidences for close links between children's performance and their working memory skills. It is found that there is significant relationship between the scores of working memory skills and Achievement. Working memory scores are positively related to achievement of upper primary students. There is significant difference between pre-test and post test scores of all the components of working memory. There is significant difference between pret and post test in Mathematics and English. Working memory measures may therefore provide fluid and sensitive indicators of the child's ability to acquire knowledge and understanding.

IV Mother Teresa Women's University Fundedmini Project (1999)

Title: Stress among Students Studying In Kodaikanal

Dr. S. Malathi has undertaken a small project on Stress among students studying in Kodaikanal to find out the stresses of college students. Prolonged stress can lead to physical and emotional disorders, further resulting in anxiety and depression. She discussed about some intervention techniques to overcome the stresses of students.

The session ended with a note of appreciation by the Principal, Dr. S. Chamundeswari.

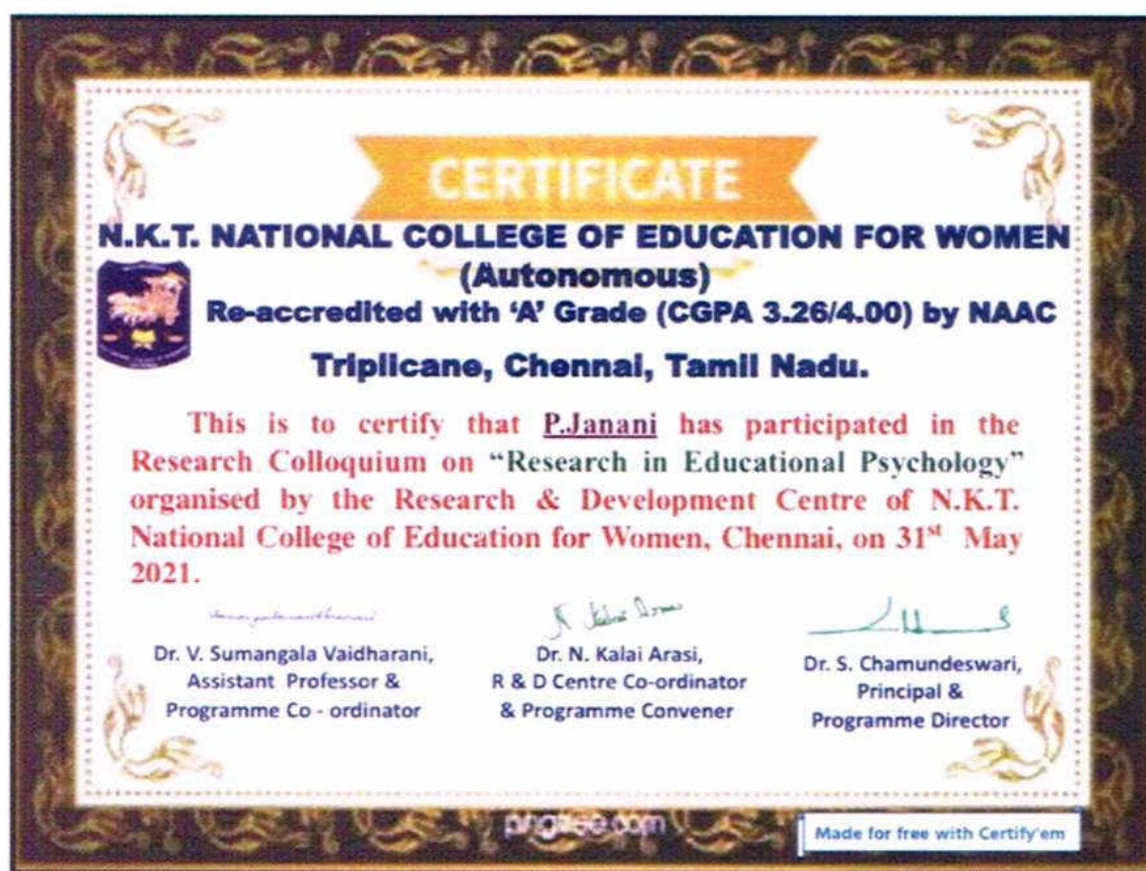


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generalizations about the behaviour or characteristics of individuals and groups. Subsequent experimental studies of more a complex nature needed this groundwork information to suggest hypothesis for more precise analysis.

Programme Outcome and Feedback

The Summer session Research Colloquium was very useful to the participants, Faculty members and the Research scholars of our College. The programme co-ordinator Dr. V. Sumangala Vaidharani Assistant Professor of Mathematics -Education delivered the vote of thanks for the programme.




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Facilitating Research by providing Organizational Support

INFLIBNET

The screenshot shows the N-LIST Admin Dashboard. The header includes the N-LIST logo and navigation links: College Admin Login, Licences and Fair Use, FAQs, Downloads, Awareness Programme, HOME, ABOUT, MEMBERS, REGISTER, E-RESOURCES, and SEARCH. The main heading is "N. K. T. NATIONAL COLLEGE OF EDUCATION FOR WOMEN, CHENNAI". Below this, there are links for Home and Admin Dashboard. The dashboard content includes a sidebar with options: Dashboard, Users Details, Upload Bulk Users, Activate Bulk Users, Member Delete list, and Usage Statistics. The main area displays college details: N. K. T. National College of Education for Women, Chennai, Address: N. K. T. National College of Education for Women, Chennai, Chennai, Tamil Nadu - 600 005, Website: http://www.nktnce.ac.in/, AISHE Code: C-14872, and GST No: Not Found. There are also statistics: 175 Active Users, 885 Expired Users, 302 Pending Users, and 0 Delete Request. The bottom of the screenshot shows a Windows taskbar with various application icons and a system tray displaying 33°C and the date 21-01-2022.

The screenshot shows the N-LIST E-Resources page. The header is similar to the previous screenshot, but the "E-RESOURCES" link is highlighted. The main heading is "SUBSCRIBED E-RESOURCES". Below this, there are links for Home and E-Resources. The page content includes a section titled "E-Resources @N-LIST" and a sub-section "Subscribed e-Journals and e-Books". The text states: "The Consortium subscribes to the following resources for the colleges. All electronic resources subscribed under N-LIST Programme are available from the publisher's website." There is a search bar with the placeholder text "You may search e-Books or e-Journals", a dropdown menu for "All Fields", and a "Search" button. Below the search bar, there are two tabs: "E-Journals (Fulltext)" and "E-Books". The bottom of the screenshot shows a Windows taskbar with various application icons and a system tray displaying 33°C and the date 21-01-2022.

N.I.T. National College of Education

(no subject) - nivinib@gmail.com

biometric index - Google Search

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extending access to e-resources to colleges in India

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A college component of e-ShodhSindhu consortium with access to 6,000+ journals, 1,99,500+ ebooks under N-LIST and 6,00,000 ebooks through NDL.

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Who are eligible?

- All colleges covered under Sections 12(B) and 2(f) of the UGC Act.
- Non-Aided colleges (except Agriculture, Engineering, Management, Medical, Pharmacy, Dentistry and Nursing).

[JOIN](#)

REGISTERED MEMBER'S LOGIN

Important for the colleges under firewall, the port nos 2048-3251 required to be open for login. Please ask your Network Admin/ISPs.

[Login Help Manual](#)

[LOGIN](#)



FOR PAYMENT RELATED QUERIES
[paymentinfo\[at\]inlibnet.ac.in](mailto:paymentinfo[at]inlibnet.ac.in)





FOR ACCESS RELATED ISSUES
[college\[at\]inlibnet.ac.in](mailto:college[at]inlibnet.ac.in)



Screenshot (23).png

Screenshot_20220...jpg

TFP.pdf

IPHRMS.pdf

Screenshot_20220...jpg

Show all

Type here to search

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Seed Money Details for Research Projects



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(Autonomous)

**No. 41, Dr. Besant Road,
Triplicane, Chennai-600 005**

Report on the Maintenance & Optimum Use of Campus Facilities through Quality Circles



TRANSFORMING STUDENTS TO GLOBAL EDUCATORS

Submitted to the Internal Quality Assurance Cell in its Meeting held on

25th June 2021

**PRINCIPAL
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Report on the Quality Circles Project

Project No. NKTNCE/QCP/01

Project Title: Maintenance & Optimum Use of Campus Facilities through Quality Circles

Date of Initiation: 15th March 2020

Date of Completion: 14th March 2021

QC Team Name: NKT Environmental Sustainability Team

Quality Circle Positions	Members
Advisory Committee	Dr. M. Arumugam, College Secretary
	Dr. S. Chamundeswari, Principal
	Dr. S. Malathi, IQAC Coordinator
Faculty Team Leader	Dr. T. Sahaya Saila
Faculty Team Members	Mrs. V.R. Santha Kumari
	Mrs. T. Keziah
	Mrs. V. Geethanjali
Student Team Leader	A. Divya, Physical Sciences
Student Team Members	N. Valarmathi, Tamil
	A. Alagugeetha, Mathematics
	C.V. Nandhiuni Bharathi, English-Special Education
	R. Rajalakshmi, Mathematics
	N. Hemalatha, Biological Sciences
	L. Vijimathi, Mathematics
	K. Vasumathi, Physical Sciences
	A. Jesileena, Tamil
	L. Annie Suci Queen, Mathematics
	A. Abitha, Mathematics
Admin Team Leader	Mr. M. Rajkumar, Office Assistant
Admin Team Members	Mr. E. Dhinakaran, Plumber
	Mr. S. Mahesh, Electrician
	Mr. R. Paneerselvam, Watchman
	Mr. B. Prabhakar, Office Assistant
	Ms. G.R. Malliga, Sweeper

DEVELOPMENT AND STANDARDIZATION OF
PROFESSIONAL COMMITMENT OF STUDENT-TEACHER SCALE

Project Report Submitted to Internal Quality Assurance Cell



Dr. S. Malathi

Principal Investigator

Dr. K.Vijaya

Co-investigator

Funded by

Sriman N.K. Thirumalachariar National Education Society

**N.K.T. NATIONAL COLLEGE OF EDUCATION FOR WOMEN
(AUTONOMOUS)**

TRIPLICANE, CHENNAI-600 005

May 2020

PRINCIPAL
N.K.T. NATIONAL COLLEGE OF EDUCATION
FOR WOMEN (AUTONOMOUS),
TRIPLICANE, CHENNAI-600 005.

CERTIFICATE

Certified that the project entitled 'Development and standardization of professional commitment of student-teacher scale' is a record of project work done by Dr. S.Malathi, Principal Investigator and Dr K.Vijaya Co-investigator, during the academic year 2019-2020 and that the project has not previously formed the basis for the award of any degree, diploma, associateship, fellowship or similar other titles and that is an independent work done by the investigators.

Place : Chennai
Date:



Dr. S. Chamundeswari
Chairperson
Internal Quality Assurance Cell



PRINCIPAL
N K T NATIONAL COLLEGE OF EDUCATION
FOR WOMEN (AUTONOMOUS),
TRIPPLICANE, CHENNAI-600 005.

DECLARATION

We hereby declare that the project entitled **Development and standardization of professional commitment of student-teacher scale** submitted to Internal Quality Assurance Cell is our original work and the project has not formed the basis for the award of any degree, diploma, associateship, fellowship or similar other titles. It has not been submitted to any other University or Institution for the award of any degree or diploma.

Place : Chennai
Date : 28-5-2020

Dr. S. Malathi
Principal Investigator
Dr.K.Vijaya
Co-Investigator

S. Malathi

K. Vijaya
28.5.20



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FOR WOMEN (AUTONOMOUS),
TRIPLICANE, CHENNAI-600 005

MINOR RESEARCH PROJECT
EFFECT OF MULTIPLE INTELLIGENCE INSTRUCTIONAL
STRATEGIES ON ATTITUDE TOWARDS SCIENCE LEARNING
AND ACADEMIC ACHIEVEMENT IN SCIENCE AMONG
STANDARD IX STUDENTS

Funded by
Sriman N.K. Thirumalachariar National Education Society

Project Report Submitted to Internal Quality Assurance Cell



Investigated by

Dr. S. Chamundeswari
Principal Investigator

Dr. Deepa Edwin & Dr. V.J. Uma
Co-investigators

N.K.T. NATIONAL COLLEGE OF EDUCATION FOR WOMEN
(AUTONOMOUS)
TRIPPLICANE, CHENNAI-600 005

MAY 2019

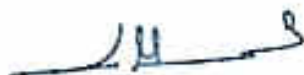

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FOR WOMEN (AUTONOMOUS)
TRIPPLICANE, CHENNAI-600 005

CERTIFICATE

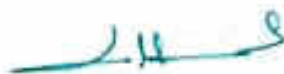
Certified that the project entitled '*Effect of Multiple Intelligence Instructional Strategies on Attitude towards Science Learning and Academic Achievement in Science among Standard IX Students*' is a

record of project work done by Dr. S. Chamundeswari, Principal Investigator, Dr. Deepa Edwin, Co-investigator, Dr. V.J. Uma Co-investigator, during the academic year 2018-2019 and that the project has not previously formed the basis for the award of any degree, diploma, associateship, fellowship or similar other titles and that is an independent work done by the investigators.

Place : *Chennai*
Date : *31.05.2019*



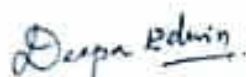
Dr. S. Chamundeswari
Chairperson
Internal Quality Assurance Cell
N.K.T. NATIONAL COLLEGE OF
EDUCATION FOR WOMEN
(AUTONOMOUS),
TRIPLICANE, CHENNAI-600 005.



PRINCIPAL
N.K.T. NATIONAL COLLEGE OF EDUCATION
FOR WOMEN (AUTONOMOUS),
TRIPLICANE, CHENNAI-600 005.

DECLARATION

We hereby declare that the project entitled '*Effect of Multiple Intelligence Instructional Strategies on Attitude towards Science Learning and Academic Achievement in Science among Standard IX Students*' submitted to Internal Quality Assurance Cell is our original work and the project has not formed the basis for the award of any degree, diploma, associateship, fellowship or similar other titles. It has not been submitted to any other University or Institution for the award of any degree or diploma.



Dr. Deepa Edwin
Co-investigator



Dr. V.J. Uma
Co-investigator

Place : Chennai
Date : 31.05.2019



Dr. S. Chamundeswari
Principal Investigator



PRINCIPAL
N.K.T. NATIONAL COLLEGE OF EDUCATION
FOR WOMEN (AUTONOMOUS),
TRIPLIKANE, CHENNAI-600 005.

**SMARTPHONE ADDICTION AND ACADEMIC PROCRASTINATION
AMONG STUDENT-TEACHERS**

Project Report Submitted to Internal Quality Assurance Cell



Dr. N. Kalai Arasi
Principal Investigator

Funded by
Sriman N.K. Thirumalachariar National Education Society

**J.T. NATIONAL COLLEGE OF EDUCATION FOR WOMEN
(AUTONOMOUS)
TRIPPLICANE, CHENNAI-600 005**

May 2018


PRINCIPAL
J.T. NATIONAL COLLEGE OF EDUCATION
FOR WOMEN (AUTONOMOUS),
TRIPPLICANE, CHENNAI-600 005

CERTIFICATE

Certified that the project entitled 'Smartphone Addiction and Academic Procrastination of Student-teachers' is a record of project work done by Dr. N. Kalai Arasi, Principal Investigator, during the academic year 2017-2018 and that the project has not previously formed the basis for the award of any degree, diploma, associateship, fellowship or similar other titles and that is an independent work done by the investigator.

Place : Chennai - 05
Date: 11.05.2018


Dr. S. Vasanthi

Chairperson
Internal Quality Assurance Cell



PRINCIPAL
N.K.T. NATIONAL COLLEGE OF EDUCATION
FOR WOMEN (AUTONOMOUS)
TRIPPLICANE, CHENNAI-600 005

DECLARATION

I hereby declare that the project entitled 'Smartphone Addiction and Academic Procrastination of Student-teachers' submitted to Internal Quality Assurance Cell is my original work and the project has not formed the basis for the award of any degree, diploma, associateship, fellowship or similar other titles. It has not been submitted to any other University or Institution for the award of any degree or diploma.

Place : Chennai

Date : 11.05.2018



Dr. N. Kalai Arasi

Principal Investigator

Dr. (Smt.) N. KALAI ARASIMSCHEX.NRIPRO,
ASSOCIATE PROFESSOR
NKT NATIONAL COLLEGE OF EDUCATION
FOR WOMEN (AUTONOMOUS)
No. 41, Dr. Sarani Road, Triplicane, Chennai-600 005



PRINCIPAL
N K T NATIONAL COLLEGE OF EDUCATION
FOR WOMEN (AUTONOMOUS)
TRIPPLICANE, CHENNAI-600 005

**MINOR RESEARCH PROJECT
AN EMPIRICAL INVESTIGATION OF EFFECTIVE SCIENCE
LEARNING THROUGH SIMPLE EXPERIMENTS**

**Funded by
Sriman N.K. Thirumalachariar National Education Society**

Project Report Submitted to Internal Quality Assurance Cell



Dr. S. Chamundeswari
Principal Investigator

Dr. Deepa Edwin & Dr. V.J. Uma
Co-investigators

**N.K.T. NATIONAL COLLEGE OF EDUCATION FOR WOMEN
(AUTONOMOUS)
TRIPPLICANE, CHENNAI-600 005**

May 2017


PRINCIPAL
N.K.T. NATIONAL COLLEGE OF EDUCATION
FOR WOMEN (AUTONOMOUS).
TRIPPLICANE, CHENNAI-600 005.

CERTIFICATE

Certified that the project entitled 'An Empirical Investigation of Effective Science Learning through Simple Experiments' is a record of project work done by Dr. S. Chamundeswari, Principal Investigator, Dr. Deepa Edwin, Co-investigator, Dr. V.J. Uma Co-investigator, during the academic year 2016-2017 and that the project has not previously formed the basis for the award of any degree, diploma, associateship, fellowship or similar other titles and that is an independent work done by the investigators.

Place : Chennai
Date: 31-05-2017



Dr. S. Vasanthi

Chairperson
Internal Quality Assurance Cell
N.K.T. NATIONAL COLLEGE OF
EDUCATION FOR WOMEN
(AUTONOMOUS),
TRIPLICANE, CHENNAI-600 005.



PRINCIPAL
N.K.T. NATIONAL COLLEGE OF EDUCATION
FOR WOMEN (AUTONOMOUS),
TRIPLICANE, CHENNAI-600 005

DECLARATION

We hereby declare that the project entitled 'An Empirical Investigation of Effective Science Learning through Simple Experiments' submitted to Internal Quality Assurance Cell is our original work and the project has not formed the basis for the award of any degree, diploma, associateship, fellowship or similar other titles. It has not been submitted to any other University or Institution for the award of any degree or diploma.

Place : Chennai

Date : 31.05.2017



Dr. S. Chamundeswari

Principal Investigator



Dr. Deepa Edwin

Co-investigator



Dr. V.J. Uma

Co-investigator



PRINCIPAL
N. K. T. NATIONAL COLLEGE OF EDUCATION
FOR WOMEN (AUTONOMOUS),
TRIPPLICANE, CHENNAI-600 005.

Sanction for Study Leave from 2016 - 2021

Sanction Letter for Study Leave: 2020-2021

From

01-03-2021

Mrs. E. Malini

Assistant Professor of Economics,

N.K.T. National College of Education for Women,
Triplicane, Chennai-600 005

To

The Secretary,

N.K.T.National College of Education for Women
Triplicane, Chennai-600 005

Through,

The Principal,

N.K.T.National College of Education for Women
Triplicane, Chennai-600 005

Respected Sir,

I wish to bring to your kind notice that I have submitted my Ph.D. Thesis at the Bharathiar University, Coimbatore, and I need to prepare for my Viva-Voce Examination. In this regard, I request your goodself to grant me study leave from 3rd March to 30th April, 2021.

Thanking you

Yours Sincerely

E. Malini

*Recommended &
forwarded
11/3
01.03.2021*

Pl. see.

Maya

11/3

Sanction Letter for Study Leave: 2019-2020

01.11.2019

From

Mrs.B.Rita

Assistant Professor of History Education

N.K.T. National College of Education For Women
Chennai – 600 005.

To

The Secretary

N.K.T. National College of Education For Women
Chennai – 600 005.

Through

The Principal

N.K.T. National College of Education For Women
Chennai – 600 005.

Respected Sir,

I Wish to bring to your kind notice that, I have joined duty on 1st November 2019 after utilizing my Special Leave (2 Months) granted by your good self from 1st September 2019. I thank you for granting me Special Leave for completion of my Ph.D. research work.

Thanking You

Yours faithfully

B. Rita

(B.RITA)

Recommended &
forwarded
11/11/2019

Manj

2020 - 2021

Phone : 044-28445924
Fax : 044-28445924
Website : nktnce.ac.in
E-mail : nktnce@yahoo.co.in

N.K.T. National College of Education for Women

(UNDER THE MANAGEMENT OF SRIMAN N.K. THIRUMALACHARIAR NATIONAL EDUCATION SOCIETY (REGD.) CHENNAI)

Autonomous

Re-accredited with 'A' grade with cumulative Grade Point of 3.26/4.00 by NAAC

Affiliated to Tamilnadu Teachers Education University

Dr. MANO BAKTHVATSALAM

(President - College Governing Body & College Committee)

Dr. M. ARUMUGAM

(Secretary)

Dr. S. CHAMUNDESWARI

Principal

41, Dr. Besant Road,
Triplicane, Chennai - 600 005.

Date :

31-05-2021

To

Dr. N. Kalai Arasi

Associate Professor of Computer Science-Education

N.K.T. National College of Education for Women

Chennai-600 005.

Dear Dr. Kalai Arasi,

The Research Committee of N.K.T. National College of Education for Women, Chennai-600 005, appreciates and congratulates for successful publication of your Research Articles in reputed UGC Care List Journals: Journal of Indian Art History Congress (ISSN: 0975-7945), Journal of Fundamenal and Comparative Research (ISSN: 0975-7175) and Journal of Educaion: Rabindra Bharati University (ISSN: 0972-7175).

We wish you the very best for your future endeavours in research.



PRINCIPAL
N.K.T. NATIONAL COLLEGE OF EDUCATION
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TRIPPLICANE, CHENNAI-600 005.

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(President - College Governing Body & College Committee)

Dr. M. ARUMUGAM

(Secretary)

Dr. S. CHAMUNDESWARI

Principal

41, Dr. Besant Road,
Triplicane, Chennai - 600 005.

Date :

31-05-2021

To

Dr. S. Malathi,

Associate Professor of Education,

N.K.T. National College of Education for Women,
Chennai-600 005.

Dear Dr. Malathi,

The Research Committee of N.K.T. National College of Education for Women, Chennai-600 005, appreciates and congratulates for successful publication of your Research Article in Sri Sarada Journal of Frontiers of Knowledge (ISSN: 2277-3398).

We wish you the very best for your future endeavours in research.



PRINCIPAL
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Dr. M. ARUMUGAM

(Secretary)

Dr. S. CHAMUNDESWARI

Principal

41, Dr. Besant Road,
Triplicane, Chennai - 600 005.

Date :

31-05-2021

To

Dr. T. Sahaya Saila,

Assistant Professor of Tamil-Education,

N.K.T. National College of Education for Women,

Chennai-600 005.

Dear Dr. Sahaya Saila,

The Research Committee of N.K.T. National College of Education for Women, Chennai-600 005, appreciates and congratulates for successful publication of your Research Article in Scholarl Research Journal for Inerdisciplinary Studies (ISSN: 2278-8808).

We wish you the very best for your future endeavours in research.



PRINCIPAL
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Dr. M. ARUMUGAM

(Secretary)

Dr. S. CHAMUNDESWARI

Principal

41, Dr. Besant Road,
Triplicane, Chennai - 600 005.

Date :

31-05-2021

To

Dr. V.J. Uma,

Assistant Professor of Physical Science-Education,

N.K.T. National College of Education for Women,

Chennai-600 005.

Dear Dr. Uma,

The Research Committee of N.K.T. National College of Education for Women, Chennai-600 005, appreciates and congratulates for successful publication of your Research Article in Sri Sarada Journal of Frontiers of Knowledge (ISSN: 2277-3398).

We wish you the very best for your future endeavours in research.



PRINCIPAL
N.K.T. NATIONAL COLLEGE OF EDUCATION
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TRIPLICANE, CHENNAI-600 005

Appraisals for Research Articles in reputed Journals

2019 - 2020

Phone : 044-28445924
Fax : 044-28445924
Website : nktnce.ac.in
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N.K.T. National College of Education for Women

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Dr. M. ARUMUGAM

(Secretary)

Dr. S. CHAMUNDESWARI

Principal

41, Dr. Besant Road,
Triplicane, Chennai - 600 005.

Date :

09.04.2020

To

Dr.N.Kalai Arasi
Associate Professor of Computer Science Education,
N.K.T. National College of Education for Women,
Triplicane,
Chennai-600 005.

Dear Dr. Kalai Arasi,

The Research Committee of N.K.T. National College of Education for Women, Chennai appreciates and congratulates you for successful publications of six Research Articles in reputed journals during the academic year 2019-20.

We wish you the very best for your future endeavours in Research.

With best wishes,



PRINCIPAL
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(President - College Governing Body & College Committee)

Dr. M. ARUMUGAM

(Secretary)

Dr. S. CHAMUNDESWARI

Principal

41, Dr. Besant Road,
Triplicane, Chennai - 600 005.

Date :

09.04.2020

To

Dr.S.Malathi
Associate Professor of Education,
N.K.T. National College of Education for Women,
Triplicane,
Chennai-600 005.

Dear Dr. Malathi,

The Research Committee of N.K.T. National College of Education for Women, Chennai appreciates and congratulates you for successful publications of three Research Articles in reputed journals during the academic year 2019-20.

We wish you the very best for your future endeavours in Research.

With best wishes,

PRINCIPAL
N.K.T. NATIONAL COLLEGE OF EDUCATION
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TRIPLICANE, CHENNAI-600 005.

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Dr. M. ARUMUGAM

(Secretary)

Dr. S. CHAMUNDESWARI

Principal

41, Dr. Besant Road,
Triplicane, Chennai - 600 005.

Date :

09.04.2020

To

Dr.T.Sahaya Saila,
Assistant Professor of Tamil Education,
N.K.T.National College of Education for Women,
Triplicane,
Chennai-600 005.

Dear Dr. Sahaya Saila,

The Research Committee of N.K.T. National College of Education for Women, Chennai appreciates and congratulates you for successful publications of one Research Articles in reputed journals during the academic year 2019-20.

We wish you the very best for your future endeavours in Research.

With best wishes,



PRINCIPAL
N.K.T. NATIONAL COLLEGE OF EDUCATION
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Dr. M. ARUMUGAM

(Secretary)

Dr. S. CHAMUNDESWARI

Principal

41, Dr. Besant Road,
Triplicane, Chennai - 600 005.

Date :

09.04.2020

To

Mrs. V. Sridevi
Assistant Professor of Biological Science Education,
N.K.T. National College of Education for women,
Triplicane,
Chennai-600 005.

Dear Mrs. Sridevi.

The Research Committee of N.K.T. National College of Education for Women, Chennai appreciates and congratulates you for successful publications of one Research Articles in reputed journals during the academic year 2019-20.

We wish you the very best for your future endeavours in Research.

With best wishes,

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Dr. M. ARUMUGAM

(Secretary)

Dr. S. CHAMUNDESWARI

Principal

41, Dr. Besant Road,
Triplicane, Chennai - 600 005.

Date :

09.04.2020

To

Mrs. T. Keziah
Assistant Professor of English Education,
N.K.T. National College of Education for Women,
Triplicane,
Chennai-600 005.

Dear Mrs. Keziah,

The Research Committee of N.K.T. National College of Education for Women, Chennai appreciates and congratulates you for successful publications of one Research Articles in reputed journals during the academic year 2019-20.

We wish you the very best for your future endeavours in Research.

With best wishes,



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N.K.T. NATIONAL COLLEGE OF EDUCATION
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(Secretary)

Dr. S. CHAMUNDESWARI

Principal

41, Dr. Besant Road,
Triplicane, Chennai - 600 005.

Date :

09.04.2020

To

Mrs. D. Shenbagavalli
Assistant Professor of Computer Science Education,
N.K.T. National College of Education for Women,
Triplicane,
Chennai-600 005.

Dear Mrs. Shenbagavalli,

The Research Committee of N.K.T. National College of Education for Women, Chennai appreciates and congratulates you for successful publications of one Research Articles in reputed journals during the academic year 2019-20.

We wish you the very best for your future endeavours in Research.

With best wishes,

PRINCIPAL
N.K.T. NATIONAL COLLEGE OF EDUCATION
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Dr. M. ARUMUGAM

(Secretary)

Dr. S. CHAMUNDESWARI

Principal

41, Dr. Besant Road,
Triplicane, Chennai - 600 005.

Date :

09.04.2020

To

Dr.S.Dhanalakshmi,
Librarian,

N.K.T. National College of Education for Women,
Triplicane,
Chennai-600 005.

Dear Dr. Dhanalakshmi,

The Research Committee of N.K.T. National College of Education for Women, Chennai appreciates and congratulates you for successful publications of one Research Articles in reputed journals during the academic year 2019-20.

We wish you the very best for your future endeavours in Research.

With best wishes,

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Dr. M. ARUMUGAM

(Secretary)

Dr. S. CHAMUNDESWARI

Principal

41, Dr. Besant Road,
Triplicane, Chennai - 600 005.

Date :

09.04.2020

To

Mrs.E.Nivethana.
Assistant Professor of Special Education,
N.K.T. National College of Education for Women,
Triplicane,
Chennai-600 005.

Dear Mrs. Nivethana,

The Research Committee of N.K.T. National College of Education for Women, Chennai appreciates and congratulates you for successful publications of one Research Articles in reputed journals during the academic year 2019-20.

We wish you the very best for your future endeavours in Research.

With best wishes,


PRINCIPAL
N.K.T. NATIONAL COLLEGE OF EDUCATION
FOR WOMEN (AUTONOMOUS),
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2018 - 2019

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(President - College Governing Body & College Committee)

Dr. M. ARUMUGAM

(Secretary)

Dr. S. CHAMUNDESWARI

Principal

41, Dr. Besant Road,
Triplicane, Chennai - 600 005.

Date :

22.04.2019

To

Dr.N.Kalai Arasi
Associate Professor of Computer Science -Education,
N.K.T. National College of Education for Women,
Triplicane,
Chennai-600 005.

Dear Dr. Kalai Arasi,

The Research Committee of N.K.T. National College of Education for Women, Chennai appreciates and congratulates you for successful publications of two Research Articles in reputed journals during the academic year 2018-19.

We wish you the very best for your future endeavours in Research.

With best wishes,

PRINCIPAL
N.K.T. NATIONAL COLLEGE OF EDUCATION
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Dr. MANO BAKTHVATSALAM

(President - College Governing Body & College Committee)

Dr. M. ARUMUGAM

(Secretary)

Dr. S. CHAMUNDESWARI

Principal

41, Dr. Besant Road,
Triplicane, Chennai - 600 005.

Date :

22.04.2019

To

Dr.S.Malathi
Associate Professor of Education,
N.K.T.National College of Education for Women,
Triplicane.
Chennai-600 005.

Dear Dr. Malathi.

The Research Committee of N.K.T. National College of Education for Women, Chennai appreciates and congratulates you for successful publications of four Research Articles in reputed journals during the academic year 2018-19.

We wish you the very best for your future endeavours in Research.

With best wishes,



PRINCIPAL
N.K.T. NATIONAL COLLEGE OF EDUCATION
FOR WOMEN (AUTONOMOUS),
TRIPLICANE, CHENNAI-600 005.

Phone : 044-28445924
Fax : 044-28445924
Website : nktnce.ac.in
E-mail : nktnce@yahoo.co.in

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(Secretary)

Dr. S. CHAMUNDESWARI

Principal

41, Dr. Besant Road,
Triplicane, Chennai - 600 005.

Date :
22.04.2019

To

Mrs. V.R. Santhakumari
Assistant Professor of Mathematics- Education,
N.K.T. National College of Education for Women,
Triplicane,
Chennai-600 005.

Dear Mrs. Shantha Kumari,

The Research Committee of N.K.T. National College of Education for Women, Chennai appreciates and congratulates you for successful publications of one Research Articles in reputed journals during the academic year 2018-19.

We wish you the very best for your future endeavours in Research.

With best wishes,



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(Secretary)

Dr. S. CHAMUNDESWARI

Principal

41, Dr. Besant Road,
Triplicane, Chennai - 600 005.

Date :

22.04.2019

To

Mrs. A. Enid Ruth
Assistant Professor of Education,
N.K.T. National College of Education for Women,
Triplicane,
Chennai-600 005.

Dear Mrs. Enid Ruth,

The Research Committee of N.K.T. National College of Education for Women, Chennai appreciates and congratulates you for successful publications of one Research Articles in reputed journals during the academic year 2018-19.

We wish you the very best for your future endeavours in Research.

With best wishes,



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(Secretary)

Dr. S. CHAMUNDESWARI

Principal

41, Dr. Besant Road,
Triplicane, Chennai - 600 005.

Date :

22.04.2019

To

Mrs. V. Sridevi
Assistant Professor of Biological Science- Education,
N.K.T.National College of Education for Women,
Triplicane,
Chennai-600 005.

Dear Mrs. Sridevi,

The Research Committee of N.K.T. National College of Education for Women, Chennai appreciates and congratulates you for successful publications of one Research Articles in reputed journals during the academic year 2018-19.

We wish you the very best for your future endeavours in Research.

With best wishes,



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(Secretary)

Dr. S. CHAMUNDESWARI

Principal

41, Dr. Besant Road,
Triplicane, Chennai - 600 005.

Date :

22.04.2019

To

Mrs. D. Shenbagavalli
Assistant Professor of Computer Science Education,
N.K.T.National College of Education for Women,
Triplicane,
Chennai-600 005.

Dear Mrs.Shenbagavalli,

The Research Committee of N.K.T. National College of Education for Women, Chennai appreciates and congratulates you for successful publications of two Research Articles in reputed journals during the academic year 2018-19.

We wish you the very best for your future endeavours in Research.

With best wishes,



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(Secretary)

Dr. S. CHAMUNDESWARI

Principal

41, Dr. Besant Road,
Triplicane, Chennai - 600 005.

Date :

22.04.2019

To

Mrs. T. Keziah,
Assistant Professor of English- Education,
N.K.T. National College of Education for Women,
Triplicane,
Chennai-600 005.

Dear Mrs. Keziah.

The Research Committee of N.K.T. National College of Education for Women, Chennai appreciates and congratulates you for successful publications of one Research Articles in reputed journals during the academic year 2018-19.

We wish you the very best for your future endeavours in Research.

With best wishes,



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(Secretary)

Dr. S. CHAMUNDESWARI

Principal

41, Dr. Besant Road,
Triplicane, Chennai - 600 005.

Date :

22.04.2019

To

Dr. S. Dhanalakshmi
Librarian.

N.K.T. National College of Education for Women,
Triplicane,
Chennai-600 005.

Dear Dr. Dhanalakshmi,

The Research Committee of N.K.T. National College of Education for Women, Chennai appreciates and congratulates you for successful publications of one Research Articles in reputed journals during the academic year 2018-19.

We wish you the very best for your future endeavours in Research.

With best wishes,

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2017 - 2018

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Dr. M. ARUMUGAM

(Secretary)

Dr. S. VASANTHI

Principal

41, Dr. Besant Road,

Triplicane, Chennai - 600 005.

Date :

24.04.2018

To

Dr. N. Kalai Arasi,

Associate Professor of Computer Education,

N.K.T. National College of Education for Women,

Triplicane,

Chennai-600005.

Dear Dr. Kalai Arasi,

The Research Committee of N.K.T. National College of Education for Women, Chennai appreciates and congratulates you for successful publications of five Research Articles in reputed journals during the academic year 2017-2018.

We wish you the very best for your future endeavours in Research.

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With best wishes,

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(Secretary)

Dr. S. VASANTHI

Principal

41, Dr. Besant Road,
Triplicane, Chennai - 600 005.

Date :

24.04.2018

To

Dr. S. Malathi

Associate Professor of Education,

N.K.T. National College of Education for Women,
Triplicane,
Chennai-600 005.

Dear Dr. Malathi,

The Research Committee of N.K.T. National College of Education for Women, Chennai appreciates and congratulates you for successful publications of one Research Article in reputed journal during the academic year 2017-2018.

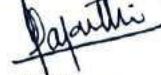
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With best wishes,



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(Secretary)

Dr. S. VASANTHI

Principal

41, Dr. Besant Road,
Triplicane, Chennai - 600 005.

Date :

24.04.2018

To

Dr. T. Sahaya Saila

Assistant Professor of Tamil-Education,

N.K.T. National College of Education for Women,

Triplicane,

Chennai-600005.

Dear Dr. Sahaya Saila,

The Research Committee of N.K.T. National College of Education for Women, Chennai appreciates and congratulates you for successful publications of one Research Article in reputed journal during the academic year 2017-2018.

We wish you the very best for your future endeavours in Research.

With best wishes,



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(Secretary)

Dr. S. VASANTHI

Principal

41, Dr. Besant Road,
Triplicane, Chennai - 600 005.

Date :

24.04.2018

To

Mrs. E. Nivethana

Assistant Professor of Special Education,

N.K.T. National College of Education for Women,
Triplicane.

Chennai-600005.

Dear Mrs. Nivethana,

The Research Committee of N.K.T. National College of Education for Women, Chennai appreciates and congratulates you for successful publications of one Research Article in reputed journal during the academic year 2017-2018.

We wish you the very best for your future endeavours in Research.



PRINCIPAL
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FOR WOMEN (AUTONOMOUS),
TRIPPLICANE, CHENNAI-600 005.

With best wishes,



PRINCIPAL
N.K.T. NATIONAL COLLEGE OF EDUCATION
FOR WOMEN (AUTONOMOUS),
TRIPPLICANE, CHENNAI-600 005.

Appraisals for Research Articles in reputed Journals

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2016 - 2017

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Dr. M. ARUMUGAM

(Secretary)

Dr. S. VASANTHI

Principal

41, Dr. Besant Road,
Triplicane, Chennai - 600 005.

Date :

25.04.2017

To

Dr. N. Kalai Arasi,
Associate Professor of Computer Education,
N.K.T. National College of Education for Women,
Triplicane,
Chennai-600005.

Dear Dr. Kalai Arasi,

The Research Committee of N.K.T. National College of Education for Women, Chennai appreciates and congratulates you for successful publications of ten Research Articles in reputed journals during the academic year 2016-2017.

We wish you the very best for your future endeavours in Research.

PRINCIPAL
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TRIPPLICANE, CHENNAI-600 005.

With best wishes,

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(Secretary)

Dr. S. VASANTHI

Principal

41, Dr. Besant Road,
Triplicane, Chennai - 600 005.

Date :

25.04.2017

To

Dr. S. Malathi

Associate Professor of Education.

N.K.T. National College of Education for Women,
Triplicane,
Chennai-600 005.

Dear Dr. Malathi,

The Research Committee of N.K.T. National College of Education for Women, Chennai appreciates and congratulates you for successful publications of six Research Articles in reputed journals during the academic year 2016-2017.

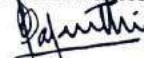
We wish you the very best for your future endeavours in Research.



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TRIPPLICANE, CHENNAI-600 005.

With best wishes,



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(Secretary)

Dr. S. VASANTHI

Principal

41, Dr. Besant Road,
Triplicane, Chennai - 600 005.

Date :

25.04.2017

To

Mrs. A.H. Komala
Assistant Professor of Economics-Education,
N.K.T. National College of Education for Women,
Triplicane,
Chennai-600005.

Dear Mrs. Komala,

The Research Committee of N.K.T. National College of Education for Women, Chennai appreciates and congratulates you for successful publications of one Research Article in reputed journals during the academic year 2016-2017.

We wish you the very best for your future endeavours in Research.

With best wishes,



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(Secretary)

Dr. S. VASANTHI

Principal

41, Dr. Besant Road,
Triplicane, Chennai - 600 005.

Date :

25.04.2017

To

Dr. S. Dhanalakshmi
Librarian.

N.K.T. National College of Education for Women,
Triplicane,
Chennai-600005.

Dear Dr. Dhanalakshmi,

The Research Committee of N.K.T. National College of Education for Women, Chennai appreciates and congratulates you for successful publications of one Research Article in reputed journals during the academic year 2016-2017.

We wish you the very best for your future endeavours in Research.



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(Secretary)

Dr. S. VASANTHI

Principal

41, Dr. Besant Road,
Triplicane, Chennai - 600 005.

Date :

25.04.2017

To

Mrs. E. Malini

Assistant Professor of Economics-Education,
N.K.T. National College of Education for Women,
Triplicane.
Chennai-600005.

Dear Mrs. Malini,

The Research Committee of N.K.T. National College of Education for Women, Chennai appreciates and congratulates you for successful publications of one Research Article in reputed journals during the academic year 2016-2017.

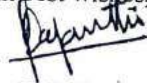
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TRIPPLICANE, CHENNAI-600 005.

With best wishes,



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