

St. Joseph's College of Education for Women

Opp. Sambasivapet 2nd Lane, Naaz Center, GUNTUR, A.P., INDIA.
(Under the Management of Society of Jesus Mary & Joseph)



3.1.3

**In-House support provided by the College to
teachers for research purposes**



P. Swagath
PRINCIPAL
ST. JOSEPH'S COLLEGE OF EDUCATION
FOR WOMEN
GUNTUR-522 001., A.P.

Documentary Proof for each of the claim


In-house Support provided by the Institution to teachers for research purposes:

In-house support was provided to teachers for research purposes by granting study leave, by providing organizational support, organizing research circle / internal seminar / interactive session on research, granting seed money to the faculty member for doctoral studies, granting study leave for research field work.

St. Joseph's College of Education for Women, Guntur was recognized as Research Centre by Acharya Nagarjuna University in the year 2003. Since then our staff members were allotted research guide ship and have been guiding scholars for their Ph.D and M.Phil in Education. Four of our present faculty members were recognized as Research Supervisors in Education and are allotted Regular/Part-Time research scholars every year.

Our staff members as Research Supervisors have been guiding research scholars for M.Phil and Ph.D in Education and also M.Ed students. College is rendering lot of research support to the M.Ed students and also to the research scholars in Education from various parts of the country who got admission in Ph.D in Education in Acharya Nagarjuna University and other universities also. Two of our staff members did their Ph.D work in Education during 2018-22. Our staff member Mrs. Ts. Subhashini under the guidance of Dr. T. Swarupa Rani, is awarded with Ph.D Degree on 28th August 2021. Our staff member, Mrs. P. Prasanthi Madhavi Latha under the guidance of Dr. C. Grace Indira is awarded with Ph.D Degree in September 2022.




PRINCIPAL
ST. JOSEPH'S COLLEGE OF EDUCATION
FOR WOMEN
GUNTUR-522 001., A.P.

ACHARYA NAGARJUNA UNIVERSITY

The National Assessment and Accreditation Council (NAAC) Awarded ANU as 'A' Grade University

Prof. L. Udaya Kumar
Co-ordinator, Research Cell



Nagarjunanagar - 522 510
Guntur District
Andhra Pradesh, India

Ref: No. ANU/RC/Ph.D./
Edn./STS/3357/June 2021

Date: 28-Aug-2021

NOTIFICATION

It is hereby notified that the Vice-Chancellor on the recommendations of the examiners appointed to adjudicate the Ph.D. thesis entitled "EFFICACY OF VEDIC MATHEMATICS, POLYA'S HEURISTIC APPROACH, AND CONVENTIONAL METHODS OF TEACHING IN THE ACQUISITION OF PROBLEM SOLVING ABILITY IN MATHEMATICS" submitted by **SUBHASHINI T S** Research Scholar under the guidance of **Prof. T. Swarupa Rani** has ordered that he/she be declared qualified for the **award of the Degree of Doctor of Philosophy (Ph.D.) in Department of Education** in the Faculty of Education.


CO-ORDINATOR
RESEARCH CELL


To
SUBHASHINI T S
Research Scholar,
Department of Education, A.N.U.

Copies to:

The Adjudicators

- 1.Prof. Victor B Koppula, Associate Professor, Institute of Education, METTU., University MetuEthiopia.
 - 2.Prof. Adam Paul, Principal, Maulana Azad National Urdu University, CET, Hammed Colony, Tauru Road, NUH, Mewat, Haryana - 122107.
 - 3.Prof. Kondru Subba Rao, D.No: 85-10-3/6, Sree Nagar, opposite Kantipudi Suzuki showroom, Near morampudi junction.Rajahmundry - 533107, East Godavari Dt.
- Prof. T. Swarupa Rani, Research Director, Dept. of Education, A.N.U.
The Head/Coordinator, Department of Education, A.N.U.
The Principal, University College of Arts, Commerce & Law, A.N.U.
The Finance Officer, A.N.U.
The Librarian, Association of Indian Universities, AIU House, 16 Kotla Marg, New Delhi.
The Director, Information and Library Network Centre, An Inter University Centre of University Grants Commission, Infocity, Gandhinagar - 382 007.
The Librarian, University Library, University College, A.N.U.
The Chief Editor, University Newsletter, A.N.U Campus.
The Coordinator, NAAC, A.N.U Campus.
P.A. to Vice-Chancellor and P.A. to Registrar, A.N.U.
The Editors, Andhra Prabha, Andhra Jyothi, Andhra Bhoomi, Sakshi, Fenadu, Vaartha, The Hindu, Indian Express - for favour of publication as NEWS ITEM.




PRINCIPAL
ST. JOSEPH'S COLLEGE OF EDUCATION
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GUNTUR-522 001., A.P.

ACHARYA NAGARJUNA UNIVERSITY

The National Assessment and Accreditation Council (NAAC) Awarded ANU as 'A' Grade University

Prof. L. Udaya Kumar
Co-ordinator, Research Cell

Ref: No. ANU/RC/Ph.D./
Education/PMLP/3614/Feb. 2022

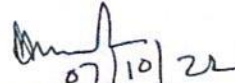


Nagarjunanagar - 522 510
Guntur District
Andhra Pradesh, India

Date: 06-10-2022

NOTIFICATION

It is hereby notified that the Vice-Chancellor on the recommendations of the examiners appointed to adjudicate the Ph.D. thesis entitled "Scientific Aptitude and Attitude in relation to Mechanical Reasoning and Performance in Science in the Secondary School Pupils" submitted by P Madhavilatha Pilli Research Scholar under the guidance of Dr. C. GRACE INDIRA has ordered that he/she be declared qualified for the award of the Degree of Doctor of Philosophy (Ph.D.) in Department of Education in the Faculty of Education.



07/10/22
CO-ORDINATOR
RESEARCH CELL

To
P Madhavilatha Pilli
Research Scholar,
Department of Education, A.N.U.

Copies to:

- The Adjudicators
1. Dr. Koppula Victor Babu, Associate Professor, Institute of Education and Professional Development Studies, Mettu University, Mettu Ethiopia.
2. Prof. Karanam Pushpanadham Ph.D., Faculty of Education and Psychology, The M S University of Baroda Vadodara-390002, Gujarat, INDIA.
3. Dr. KONDRU SUBHA RAO, Principal, University College of Education, Adikavi Nannaya University Rajah Rajah Narendra Nagar Rajamahendravaram - 533296 East Godavari District.
Dr. C. GRACE INDIRA, Research Director, Dept. of Education, A.N.U.
The Head/Coordinator, Department of Education, A.N.U.
The Principal, University College of Arts, Commerce & Law, A.N.U.
The Finance Officer, A.N.U.
The Librarian, Association of Indian Universities, AIU House, 16 Kotla Marg, New Delhi.
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The Librarian, University Library, University College, A.N.U.
The Chief Editor, University Newsletter, A.N.U Campus.
The Coordinator, NAAC, A.N.U Campus.
P.A. to Vice-Chancellor and P.A. to Registrar, A.N.U.
The Editors, Andhra Prabha, Andhra Jyothi, Andhra Bhoomi, Sakshi, Eenadu, Vaartha, The Hindu Indian Express - for favour of publication as NEWS ITEM.




PRINCIPAL
ST. JOSEPH'S COLLEGE OF EDUCATION
FOR WOMEN
GUNTUR-522 001., A.P.

Seed Money for Doctoral Studies

Sanction letter of Award of Incentives

From
Dr. Sr. G. Theresamma
Correspondent,
St. Joseph's College of Education For Women,
Guntur.

As per the resolutions of the Research Committee, it was decided to grant seed money of Rs.25000 to Mrs. P. Prasanthi Madhavi latha who is doing Ph.D (IT) from ANU, for the purpose of Ph.D work.

Place:

Date: 07-06-2021

Sr. G. Theresamma
Correspondent

Correspondent
St. Joseph's College of Education for Women
(AUTONOMOUS), GUNTUR-522 001



P. Swagath
PRINCIPAL
ST. JOSEPH'S COLLEGE OF EDUCATION
FOR WOMEN
GUNTUR-522 001., A.P.

The College as Research Centre tried its level best to render support and cooperation and help for the research scholars of our college who are doing Ph.D on part time basis. This year the management has granted Rs.25000 as seed money to Mrs.P.Prasanthi MadhaviLatha to meet her expenses for research. All the services rendered by the college through the research center help the staff members, students and Research scholars to continue their research.



Our Principal Prof.T.Swarupa Rani handing over the cheque of Seed Money to Our Faculty Member Mrs.P.Prasanthi MadhaviLatha



T. Swarupa
PRINCIPAL
ST. JOSEPH'S COLLEGE OF EDUCATION
FOR WOMEN
GUNTUR-522 001., A.P.

St. JOSEPH'S COLLEGE OF EDUCATION FOR WOMEN, GUNTUR.

SCHEDULES TO RECEIPTS AND PAYMENTS & INCOME AND EXPENDITURE ACCOUNTS FOR THE YEAR ENDED MARCH 31, 2022

SCHEDULE : [3]

	As on 01-04-2021	As on 31-03-2022
	Rs. P.	Rs. P.
BALANCE:		
Cash on hand:	21,873.00	4,371.00
Cash at Banks:		
Indian Bank - 413817491	97,543.00	34,606.00
Indian Bank - 609780200	73,551.00	5,096.00
Indian Bank - 757776221	55,431.00	31,223.00
Indian Bank - 702961955	30,334.00	46,609.00
State Bank of India - 1036606141	5,20,561.99	5,17,649.99
Total	<u>7,99,293.99</u>	<u>6,39,554.99</u>

SCHEDULE : [4]

Fees collections:

Computer & examination fee	8,39,583.00
Development Fee collection from B. Ed students	18,81,600.00
Total	<u>27,21,183.00</u>

SCHEDULE : [5]

OTHER INCOME

Bank interest	1,23,715.00
Other income	56,450.00
Total	<u>1,80,165.00</u>

SCHEDULE : [6]

EDUCATION EXPENSES:

Advertisement	10,500.00
Audit fee	4,130.00
Bank charges	183.00
Charity	845.00
Computer maintenance	23,000.00
Covid -19 Expense	6,600.00
Concessions	96,000.00
Electricity charges	68,321.00
Examination expenses	1,51,416.00
General expenses	27,178.00
Games & Sports	6,300.00
Library	14,300.00
Postage & telephone	24,730.00
Printing & stationery	7,271.00
Provident fund	61,214.00
Recognition & University fee	2,24,085.00
Repairs & maintenance	1,56,350.00
Staff Welfare & Charity	80,000.00
Salaries:	
Teaching staff	15,50,846.00
Non-teaching staff	5,34,888.00
Seminars	8,600.00
Travelling expenses	4,330.00
Total	<u>30,61,087.00</u>




PRINCIPAL
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FOR WOMEN
GUNTUR-522 001., A.P.



ST. JOSEPH'S COLLEGE OF EDUCATION FOR WOMEN, GUNTUR

(UNIT OF HOLY ROSARY CONVENT RAJAH'S GARDEN)
(Registration No. 126 of 1991 - Act XXI of 1860 and PAN: AAATJ1193F)

Sambasivapet, Guntur - 522 001 (AP)

PAYMENT VOUCHER

Date 07.06.2021

Voucher No. :

Head of Account :

Cheque / DD / NEFT / RTGS No.	Date :	Bank A/c No.	Cash / Bank	
<u>452620</u>	
Particulars			Rupees	Ps.
Paid towards <u>Seed Money for Research purpose</u>			<u>25000</u>	<u>00</u>
TOTAL :			<u>25,000</u>	<u>00</u>

Signature of HOD

Sedwahi
Signature of Finance Manager

RECEIPT

Received Rupees Twenty five thousand Rupees
only

Rs. 25,000

P.Prasanthi

Signature of Payee



T. Suresh
PRINCIPAL
ST. JOSEPH'S COLLEGE OF EDUCATION
FOR WOMEN
GUNTUR-522 001., A.P.

ST. JOSEPH'S COLLEGE FOR WOMEN, GUNTUR

SCHEDULES TO RECEIPTS AND PAYMENTS & INCOME AND EXPENDITURE ACCOUNTS FOR THE YEAR ENDED MARCH 31, 2022

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State Bank of India - 1036606141	5,20,561.99	5,17,649.99
Total	<u>7,99,293.99</u>	<u>6,39,554.99</u>

SCHEDULE : [4]

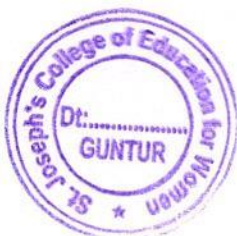
Fees collections:		
Computer & examination fee		8,39,583.00
Development Fee collection from B. Ed students		18,81,600.00
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SCHEDULE : [5]

OTHER INCOME		
Bank interest		1,23,715.00
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SCHEDULE : [6]

EDUCATION EXPENSES:		
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Repairs & maintenance		1,56,350.00
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Seminars		8,600.00
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Total		<u>30,61,087.00</u>




 PRINCIPAL
 ST. JOSEPH'S COLLEGE OF EDUCATION
 FOR WOMEN
 GUNTUR-522 001., A.P.

Granting Study Leave for Research Field Work

The college grants leave to faculty members pursuing research. In 2019-20, Mrs. Ts.Subhashini and Mrs.P.Prasanthi MadhaviLatha who have registered for Ph.D (Part-Time) were granted duty leave for purposes like visits to University regarding Ph.D work, data collection,data analysis etc.

St.Joseph's College of Education for Women, Guntur Study Leave Granted to Faculty for Ph.D Work

Name of the Faculty: Mrs.P.Prasanthi Madhavi latha
Affiliated University: Acharya Nagarjuna University
Name of the Guide: Dr.C.Grace Indira
Research Course: Ph.D

Date of Leave	Purpose
03.04.2019,4.04.2019	Data Collection
21.06.2019	Visit to University for Ph.D work
06.12.2019,07.12.2019	DTP Work

C. Grace Indira
Signature of the
Research Supervisor

T. Swarupa Rani
Signature of the Principal
PRINCIPAL
ST. JOSEPH'S COLLEGE OF EDUCATION
FOR WOMEN
GUNTUR-522 001., A.P.

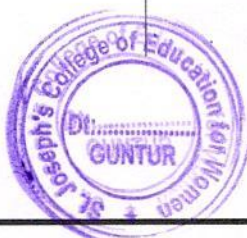
St.Joseph's College of Education for Women, Guntur Study Leave Granted to Faculty for Ph.D Work

Name of the Faculty: Mrs.T.S.Subhashini
Affiliated University: Acharya Nagarjuna University
Name of the Guide: Dr.T.Swarupa Rani
Research Course: Ph.D

Date of Leave	Purpose
24.08.2019	Data Collection
25.10.2019	SPSS Analysis
09.2.2019	Visit to University for Ph.D work

T. Swarupa Rani
Signature of the
Research Supervisor

T. Swarupa Rani
Signature of the Principal
PRINCIPAL
ST. JOSEPH'S COLLEGE OF EDUCATION
FOR WOMEN
GUNTUR-522 001., A.P.



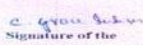
T. Swarupa Rani
PRINCIPAL
ST. JOSEPH'S COLLEGE OF EDUCATION
FOR WOMEN
GUNTUR-522 001., A.P.


In 2018-19, Mrs. Ts.Subhashini and Mrs.P.Prasanthi Madhavi Latha who have registered for Ph.D (Part-Time) were granted duty leave for purposes like visits to University regarding Ph.D work, Pre-Ph.D Examinations, research proposal presentation and attend the Pre Ph.D Research Methodology Courses etc.

St. Joseph's College of Education for Women, Guntur
Study Leave Granted to Faculty for Ph.D Work

Name of the Faculty: Mrs.P.Prasanthi Madhavi Latha
 Affiliated University: Acharya Nagarjuna University
 Name of the Guide: Dr.C.Cease Indra
 Research Course: Ph.D

Date of Leave	Purpose
02.01.2018, 03.01.2018, 04.01.2018	Pre-Ph.D Examinations
23.09.2018	Research Methodology Course



 Signature of the Research Supervisor



 Signature of the Principal
 ST. JOSEPH'S COLLEGE OF EDUCATION FOR WOMEN
 GUNTUR-522 001., A.P.

St. Joseph's College of Education for Women, Guntur
Study Leave Granted to Faculty for Ph.D Work

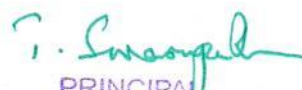
Name of the Faculty: Mrs.T.S.Subhashini
 Affiliated University: Acharya Nagarjuna University
 Name of the Guide: Dr.T.Swarupa Rani
 Research Course: Ph.D

Date of Leave	Purpose
13.02.2018	Research Proposal
09.03.2018	Pre-Ph.D Course
29.10.2018	Research Methodology Course


 Signature of the Research Supervisor


 Signature of the Principal
 ST. JOSEPH'S COLLEGE OF EDUCATION FOR WOMEN
 GUNTUR-522 001., A.P.




 PRINCIPAL
 ST. JOSEPH'S COLLEGE OF EDUCATION
 FOR WOMEN
 GUNTUR-522 001., A.P.

Facilitating Research by Providing Organizational Support

Library, Internet, Inflibnet, Xerox, Scanner and Printer facilities

Mrs.Ts.Subhashini and Mrs.P.Prasanthi MadhaviLatha who have registered for Ph.D (Part-Time) were given free access to use Library,Internet,Inflibnet,Xerox,Scanner and Printer facilities at free of cost.

ICT facilities like computers are available for research work. Library is open to research scholars. Books are made available for lending as well as for reference. Ph.D theses and M.Ed dissertations are available for reference. Separate reading cubicles are there in the library to accommodate research students. Our faculty make use of all these facilities to complete their research work.

Sanction letter of Award of Incentives

From
Dr.T.Swarupa Rani
Principal,
St.Joseph's College of Education For Women,
Guntur.

As per the resolutions of the Research Committee, it was decided to grant duty leave to Mrs.P.Prasanthi Madhavi latha and Mrs. Subhashini who have registered for Ph.D in Education (Part-Time) in ANU, for purposes regarding Ph.D work, submission of proposals and attend the Pre Ph.D courses, data collection etc. It was also resolved to provide free access for the organizational support like Library, Internet, Inflibnet, Zerox, Scanner and Printer facilities at free of cost. It was also decided to provide financial assistance for attending outside seminars.

Place:

Date: 05-01-2018

T. Swarupani
Principal

PRINCIPAL
ST. JOSEPH'S COLLEGE OF EDUCATION
FOR WOMEN
GUNTUR-522 001., A.P.



T. Swarupani
PRINCIPAL
ST. JOSEPH'S COLLEGE OF EDUCATION
FOR WOMEN
GUNTUR-522 001., A.P.

Organizing Research Circle / Internal Seminar / Interactive Session On Research

2022-23

This year the college conducted internal seminar on Research Methodology on 04.11.2022 to orient the research scholars and M.Ed. students about the various aspects of research like identification of research problem, review of related literature, research proposal preparation, Research tools construction etc. Our Principal Dr.T.Swarupa Rani along with the faculty members conducted an internal seminar as an activity of research circle. Our Research Supervisors provide adequate guidance to all the research scholars and M.Ed students to successfully complete their dissertation work.

St. Joseph's College of Education for Women, Guntur.

Research Development Cell

Notice

All the Teaching faculty and M.Ed. students are requested to attend the Seminar on Research Methodology on 04.11.2022 in the Board Room. All the Research Supervisors are requested to inform the research scholars to attend the seminar without fail.

T. Swarupa Rani
Principal

PRINCIPAL
ST. JOSEPH'S COLLEGE OF EDUCATION
FOR WOMEN
GUNTUR-522 001., A.P.

J.R. Vijayalakshmi
Convener



T. Swarupa Rani
PRINCIPAL
ST. JOSEPH'S COLLEGE OF EDUCATION
FOR WOMEN
GUNTUR-522 001., A.P.

Internal Seminar on Research Methodology

2021-22

This year the college conducted internal seminar on Research Methodology on 13.12.2021 to orient the students about the various important aspects of research. Our Research Supervisors provide adequate guidance to all the research scholars and M.Ed students to successfully complete their dissertation work. Our Senior faculty Dr.B.Srilatha, Dr.J.R.Priyadarsini and Dr.C.Grace Indira took the responsibility of conducting the seminar

St. Joseph's College of Education for Women, Guntur.

Research Development Cell

Notice

All the Teaching faculty and M.Ed. students are requested to attend the Seminar on Research Methodology on 13.12.2021 in the Board Room. All the Research Supervisors are requested to inform the research scholars to attend the Seminar without fail.

T. Swarnaparni
Principal
PRINCIPAL
ST. JOSEPH'S COLLEGE OF EDUCATION
FOR WOMEN
GUNTUR-522 001., A.P

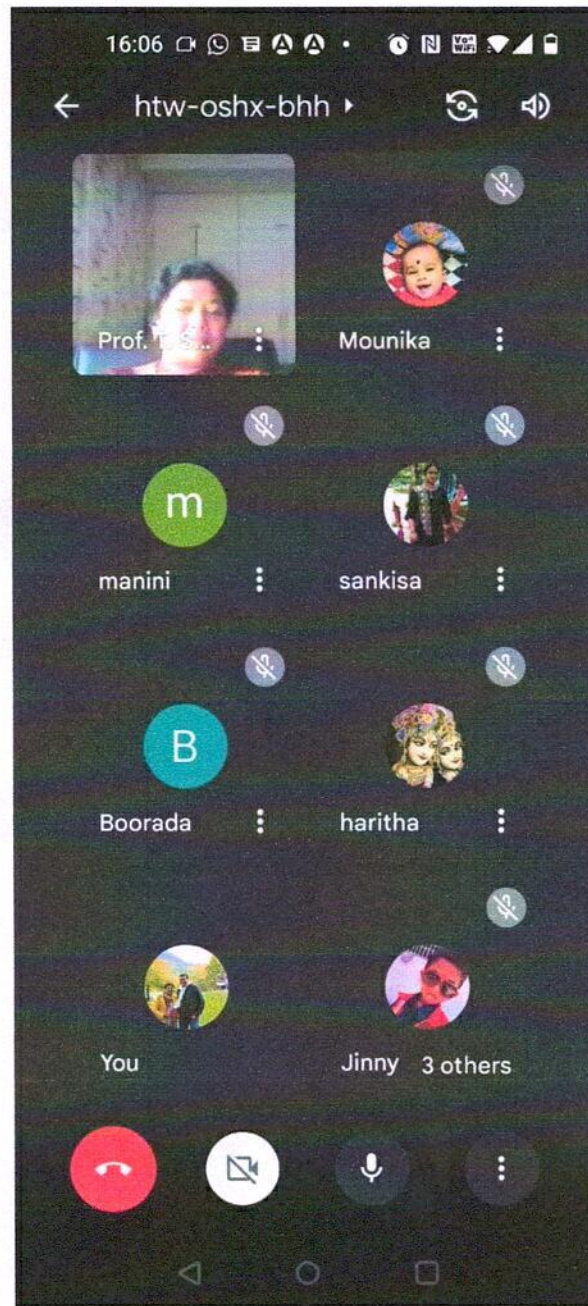
P. R. Prasad
Convener



T. Swarnaparni
PRINCIPAL
ST. JOSEPH'S COLLEGE OF EDUCATION
FOR WOMEN
GUNTUR-522 001., A.P.

2020-21

Our principal Dr.T.Swarupa Rani conducted one internal seminar online as an activity of research circle for all the M.Ed students and also for the research scholars to orient them with regard to identification of research problem, review of related literature, research proposal preparation etc. through Google meet on April 15th,2020 to help the scholars with regard to search work. Due to Covid-19, online webinar was conducted.



T. Swarupa
PRINCIPAL
ST. JOSEPH'S COLLEGE OF EDUCATION
FOR WOMEN
GUNTUR-522 001., A.P.

St. Joseph's College of Education for Women, Guntur.

Research Development Cell

Notice

All the Teaching staff members, M.Ed. students are requested to attend the online Seminar on Research Methodology on 15.04. 2020. All the Research Supervisors are requested to inform the research scholars to attend the Seminar without fail.

T. Swarnapalani
Principal

PRINCIPAL
ST. JOSEPH'S COLLEGE OF EDUCATION
FOR WOMEN
GUNTUR-522 001., A.P.

J.P. Indira
Convenor



T. Swarnapalani
PRINCIPAL
ST. JOSEPH'S COLLEGE OF EDUCATION
FOR WOMEN
GUNTUR-522 001., A.P.

St. Joseph's College of Education for Women, Guntur.

Research Development Cell

Notice

All the Teaching faculty and M.Ed. students are requested to attend the Seminar on Research Methodology on 06.07.2019 in the Board Room. All the Research Supervisors are requested to inform the research scholars to attend the Seminar without fail.

T. Swamiparani
Principal

PRINCIPAL
ST. JOSEPH'S COLLEGE OF EDUCATION
FOR WOMEN
GUNTUR-522 001, A.P.

J.K. Rajendra Prasad
Convener

2019-20

This year the college conducted an internal seminar on Research Methodology on 06.07.2019 to orient the students about the various aspects of research like identification of research problem, review of related literature, research proposal preparation etc. Our Research Supervisors along with the staff members conducted the seminar.

2018-19

This year the college conducted internal seminar on 4.08.2018. Eminent Research experts Prof.T.J.Rajendra Prasad and Prof.D.Bhaskara Rao oriented the gathering about research issues.



T. Swamiparani
PRINCIPAL
ST. JOSEPH'S COLLEGE OF EDUCATION
FOR WOMEN
GUNTUR-522 001, A.P.

INVITATION

*St. Joseph college of
education for women,
Guntur*

*Seminar on
Research
Methodology*

ON 4TH AUGUST 2018

Resource Person's:

*Prof. T. J. Rajendra Prasad
Former Principal, A.L. college of
education, Guntur*

*Prof. D. Bhaskara Rao
Principal, R. V. R. R. college of
education, Guntur*



PRINCIPAL
ST. JOSEPH'S COLLEGE OF EDUCATION
FOR WOMEN
GUNTUR-522 001, A.P.

Webinars on Early Child Care Education, Innovative Methods and Techniques of teaching and NEP 2020

During the academic year 2020 -21, the teaching learning activities were carried out using online mode. A webinar on Early Childhood Care and Education was conducted to schoolteachers and student teachers from September 24th to 26th in the year 2021. Our faculty members are the resource persons. To develop the intellectual and critical thinking skills as per NEP2020 another webinar on awareness on NEP 2020 was organised. Prof.M.Vanaja from MAUNUU,Hyderabad is the resource person and another webinar on Innovative Methods and Techniques of teaching in the secondary and Higher Education was conducted on 12th-14th October 2020. The research scholars also got benefited out of these webinars by acquiring knowledge on the current issues like NEP 2020.



T. Swarna
PRINCIPAL
ST. JOSEPH'S COLLEGE OF EDUCATION
FOR WOMEN
GUNTUR-522 001., A.P.

Undertaking appraisals of institutional functioning and documentation

Providing support to attend Seminars and research courses

College provides all the required support and encouragement to the faculty members pursuing Ph.D to enrich their research knowledge and experience by attending seminars and short term courses on Research Methodology. The management provides financial help also to meet the registration fee for the seminars.

Mrs.Ts.Subhashini,Mrs.P.PrasanthiMadhavalatha participated in the following workshops on Research Methodology with the financial support from the management.



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HYDERABAD



ज्ञान-विज्ञान विमुक्तये



Certificate of Participation

This is to certify that Mrs. Ts. SUBHASHINI Asst. prof.
St. Joseph's college of Education for Women, Guntur has attended the UGC
Orientation Workshop on "Adoption, Promotion & Production of MOOCs for
SWAYAM Platform" organized by South Eastern Regional Office, University
Grants Commission, Hyderabad on 31st August, 2018 at Maulana Azad
National Urdu University, Gachibowli, Hyderabad.



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(Dr. G. Srinivas)
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ACHARYA NAGARJUNA UNIVERSITY
INTERNATIONAL STUDENTS CELL

UGC - Sponsored International Workshop on
'Research Methodology and R-Programming'

(20th to 27th March, 2018)



This is to certify that Prof./Dr./Mr./Ms P.P.MADHAVI LATHA, Research Scholar, Dept. of Education
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Two Day National Workshop on
Education Research: Innovative Ways of Researching

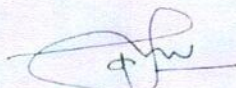


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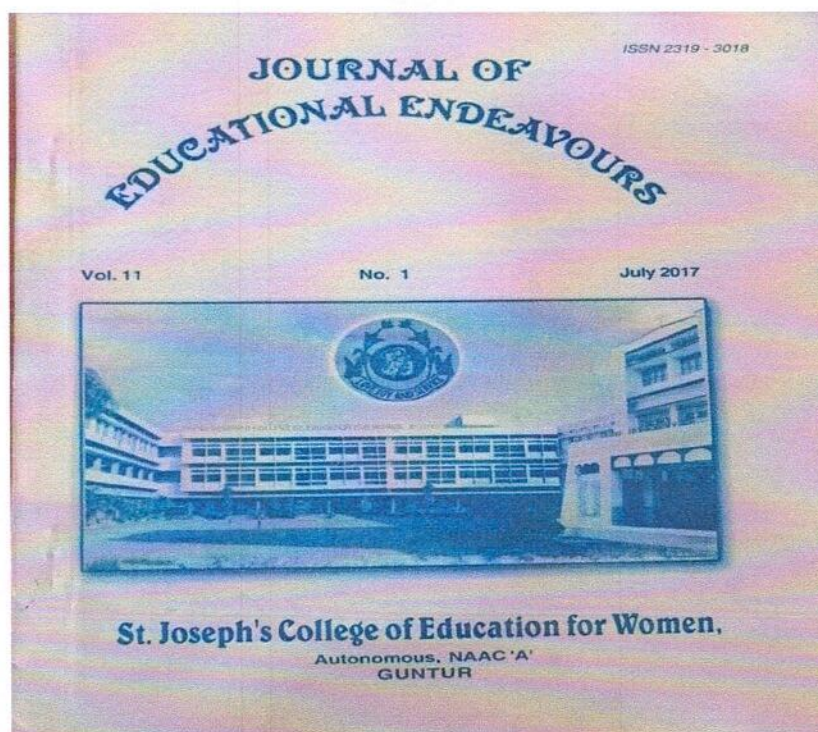
P.P.Madhavi Latha , Asst.prof , St.Joseph's college of Education for Women,
Guntur for your active participation in Two Day National Workshop on
"Education Research: Innovative Ways of Researching" organized by the
School of Education, Savitribai Phule Pune University (SPPU), Pune in
Collaboration with North-Eastern Hill University (NEHU), Shillong during 19th-
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SCIENTIFIC KNOWLEDGE AND APTITUDE OF SECONDARY SCHOOL PUPILS

Dr. C. Grace Indira

Senior Lecturer, St. Joseph's College of Edu for Women, Guntur

P. Prasanthi Madhavi Latha

Research Scholar, ANU

Introduction

Education is to make child knowledgeable but knowledge alone cannot make him a whole person to live a purposeful and effective life and to contribute for the social good. While imparting education, schools and colleges naturally take into the consideration the way the student reacts to the stimulus provided. This reaction, respectiveness and readiness to learn are the innate qualities of the person. Not only this, he is not even keen to achieve any Ideal or value, but as he grows older, he is influenced by the informal and formal agencies of education. In this way, he develops his physical, mental and emotional, self and social feelings, which develop in him gradually. By and by, he is able to develop sense of responsibilities like his elders and solve the problems of life successfully.

In short education brings about and secure immense of maturity and responsibility by bringing in him the desired changes according to his needs and the demands of ever – changing society of which he is an integral part ... speaking more frankly, education brings about and secures immense benefits to the child. It brings up the child as the parents do. It guides him like an affectionate father. A well educated person is known all over the region, he is able to meet the conflicting challenges and tide over all the difficulties which confront him in day to day living.

On the one hand education develops to the full the personality of an individual in all fields, on the other hand, it contributes to the growth and development of society also. It is only through education that moral ideals and spiritual values and its cultural heritage are carried from one generation to another, for preservation, purifications and sublimation into higher and higher achievements. In other words, with the growth and development of the individual, the society also develops to a higher level thus, education is greatly essential for the growth and development of the individual as well as society.

Freeman has also pointed out that aptitude is different from skill and proficiency. freeman has further stated that when we speak of an individual's aptitude for a given type of activity we mean the capacity to acquire the proficiency under as revealed by his performance on selected tests that have predictive value in other words the most important factor is aptitude i.e. The capacity to acquire proficiency on the other hand If an individual has no aptitude for a particular type of task he will not be skilled or proficient in that task in spite of training given to him. These



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EFFICACY OF VEDIC MATHEMATICS IN TEACHING AND LEARNING MATHEMATICS

Ts. Subhashini,

St. Joseph's College of Education for Women, Guntur

Introduction

Vedic Mathematics by Swami Bharati Krishna Tirtha : Vedic Mathematics is the name given to an ancient Indian system of Mathematics. There lived a saint of Sankaracharya Order, Swami Bharathi Krishna Tirtha (1884-1960) who was also a contemporary to the genius mathematician Srinivasa Ramanujan. Vedic Mathematics was brought into light by Jagadguru Swami Sri Bharathi Krishna Tirthaji Maharaja, of Govardhana Matha, Puri, in the period (1911-1918). Swamiji put forth 16 sūtras and 13 upasūtras, using which, calculations could be done a lot faster. He wrote a book named 'Vedic Mathematics', popularly known today also all over the world. However, need to remember that Ancient Indian Mathematics, as explained in the earlier three points, does not mean only techniques to do calculations faster, but also covers the whole of Mathematics as a subject.

Sutras

Sutras

1. Ekadhikena Purvena
2. Nikhilam Navatascaramam Dasatah
3. Urdhva-tiryagbhyam
4. Paravartya Yojayet
5. Sunyam Samyasamuccaye
6. Anurupye Sunyamanyat
7. Sankalana-vyavakalanabhyam
8. Purnapuranaabhyam
9. Calana-kalanabhyam
10. Yavadunam
11. Vyastisamasith
12. Sesanyankena Caramena
13. Sopantyadvayamantyam
Samuchayaganitah
14. Ekanyunena Purvena
15. Gunistasamuchayah
16. Gunakasamuchayah

Sub-Sutras or Corollaries

Sub-Sutras or Corollaries

1. Anurupyena
2. Sisyate Sesasamjnah
3. Adyamdyenantyamantyena
4. Kevalaih Saptakalam Gunyat
5. Vestanam
6. Yavadunam Tavadunam
7. Yavadunam Tavadunikrtya Varganca
Yojayet
8. Antyayordasake'pi
9. Antyayoreva
10. Samuccayagunitah
11. Lopanasthapanabhyam
12. Vilokanam
13. Gunitasamuchayah

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