

3.4.1- THE INSTITUTION ENSURES IMPLEMENTATION OF ITS STATED CODE OF ETHICS FOR RESEARCH

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NAAC ACCREDITED - 'A' GRADE

INTERNAL RESEARCH AND ETHICS COMMITTEE

Ref. No. NCJ/ 303(A) 2021/22

Date 17/12/2021

An overseeing committee has been constituted and hereby to inform that the following are the members of the "INTERNAL RESEARCH AND ETHICS COMMITTEE"

S.no.	Name of the members	Designation	Department
1	Dr. Madhura K R	Co-Ordinator Research Co-Ordinator	PG Mathematics
2	Dr. Sandhya L	Assistant Professor	PG Mathematics
3	Dr. K T Vasudevan	Co-ordinator	PG Physics
4	Dr. Saraswathi	HOD	UG Sociology
5	Dr. Nagachampa Jain	HOD	UG Economics
6	Mr. Varadaraj R	Assistant Professor	UG Computer Science
7	Mr. Jayanth M	Assistant professor	UG Psychology


Principal, The National College, Jayanagar

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Jayanagar, Bangalore-70.



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NAAC ACCREDITED - 'A' GRADE

Ref. No. NCJ/ 802(B), 2021, 22

Date 22/12/2021

RESEARCH DOCUMENT POLICY

The research strategy of National college, Jayanagar, Autonomous covers all major academic disciplines. Faculty and students are actively involved in research, as the College is Committed to research in key areas across Science, Humanities and Commerce disciplines.

Vision

Establish a state-of-the-art multi-disciplinary, inter-disciplinary, and co-disciplinary research institute in a dynamic, competitive, and vibrant environment.

Mission

1. Provide excellent research culture and infrastructure.
2. Serve as a platform for strong interdisciplinary collaborations and knowledge sharing.
3. Enhance the research capabilities of NCJ by engaging faculty in research that integrates the education of a diverse population of students especially; first-generation learners and the underprivileged.
4. Provide a rich intellectual environment for collaborative research among faculty and students from various departments.
5. Publish papers in high-quality journals of international repute.
6. Create quality human resources for scientific research.
7. Taking up Major and Minor research projects funded by organizations like UGC, DBT, DST, DRDO, ISRO, ICMR, etc. to improve the infrastructure and research facilities.
8. Taking consultancy projects from private and government firms.
9. Encourage faculty and students to take up government/management funded research projects.
10. Encourage faculty to file and obtain patents for their research findings.

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Ref. No. NCJ/302(C)/2021/22

Date 22/12/2021

CODE OF ETHICS TO CHECK MALPRACTICES AND PLAGIARISM IN RESEARCH

The main objective is to promote the research and research publications and prevention of misconduct including plagiarism in R&D.

Introduction

Ethics and plagiarism are the significant components in research and publication. Sometimes it is to be observed that researchers claim other's work as their own, which will degrade the reputation of the individual /Institution. There is every need to assess the academic/research work of the student/research scholar/researcher who produces their work in the form of Project reports, Seminar papers, Research papers, Research proposals, and thesis work. Especially the research work in the form of papers/projects should go through the process of plagiarism and has to maintain high academic and production standards. The research work produced would be thoroughly assessed for their viability across the globe and needs to reach the highest success. We take some extra measures to ensure that the work is at par with the National/International standards of professional typesetters who are engaged to bring about the best of results. The Authors are made responsible for their research work carried out, presentation and results are expressed. The institution deplors and rejects the violation of the code of ethics which is dishonest and immoral infringing the copyright act of intellectual property rights.

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Ref. No. NCJ/302(D), 2021, 22

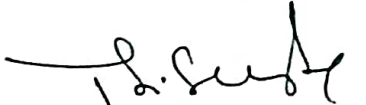
Date 22/12/2021

PLAGIARISM

Plagiarism constitutes unethical scientific behaviour and is never acceptable. Proper acknowledgment of the work of others used in a research work must always be given. Further, it is the obligation of each author to provide prompt retractions or corrections of errors in published works.

Possible types of Ethical violations

1. **Conflict of Interest:** Any action that may result in a conflict of interest must be fully disclosed. When objectivity and effectiveness cannot be maintained, the activity should be avoided or discontinued.
2. **Disputes about authorship:** Proper authorship representation is generally a matter for the involved parties to resolve.
3. Duplicate submission abuses the resources of all affected journals, including the valuable time of editors, reviewers, and staff, and is unprofessional and unacceptable.
4. The College checks the plagiarism of research thesis/Project reports with the help of **TURNIT IN** plagiarism check software. All faculty and researchers seeking paper submission are requested to submit the plagiarism report (maximum 20%) along with the paper to the committee for review
5. Any violation of the rule and other issues, complaints regarding plagiarism attracts disciplinary action to be imposed by a committee within one month from the day of complaint.


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RESEARCH METHODOLOGY

Course Objectives: On the successful completion of the course the students will be familiarize with concepts, tools and techniques of the methodology of business research. To enable students to do a research / consultancy project in the fourth semester.

Course outcome:

1. Basic uses of social-sciences and research activities.
2. Problem solving process.
3. Collection and analysis of data.
4. Processing the data for the research activity.
5. Different tools of problem solving their actual application.

Module – 1: Introduction to Business Research

12 hours

Meaning & Characteristics of Research, Objectives of Business Research – Ethics in Business Research, Plagiarism, Software for detection of plagiarism, Limitations. Scientific Research, Social Science Research, Uses of Social Science Research, Types of Research, Research Methods Vs Research Methodology - Steps in Research Process.

Module – 2: Planning of Research:

08 hours

Research Problems – Meaning & Definition, Planning, Selecting the Problem, Research Design – Meaning, Features and types of Research Design.

Module – 3: Data Collection Tools

14 hours

Data – Meaning & importance of data, methods of collecting primary data, secondary data, Sampling & its characteristics, observation & its characteristics, experimentation & its validity,

Interviews – its characteristics & types, measurements, scales, questionnaires & instruments – meaning, needs & methods.

Module – 4: Processing of Data:**12 hours**

Data preparation and descriptions, editing, coding and classification, tabulation, graphical representation, transcription of data, report generations, exploratory data analysis, Methods of data collection, Constructing Questionnaire, Standard Questionnaire, Questionnaire v/s Schedules

Module – 5 Statistical Tests & Software's**12 hours**

Univariate and Multivariate Data Analysis, Descriptive vs Inferential Analysis- Descriptive Analysis of Univariate Data and Bivariate Data, Parametric and Non-Parametric Tests, Correlation Analysis, Multiple regression analysis, t-Test, Z-Test, F-Test, Chi-Square, ANOVA and Econometrics Model Concept & Problems. Importance of Report Writing- Types of Reports, Footnotes and Bibliography, Reference Management Software like Zotero/Mendeley, Research Software like SPSS, AMOS, GRATEL, RTOOLS, PYTHON, etc.

Suggested Books/Articles/Links for References

1. Moses, C.A. Survey Methods in Social Investigation.
2. Goode & Hatt, Methods in Social Investigation.
3. William Emory, Business Research Methods.
4. Vernon Colver & H.L. Balsleg, Business Research Methods.
5. Krishnaswamy O.R., Methodology of Research in Social Sciences, Himalya Publishing house.
6. Kothari. C.R., Methodology of Research, Vikas Publishing House.
7. K.R. Sharma, Research Methodology, National Publishers, Jaipur.
8. Wilkinson & Bhandarkar, Methodology and Techniques of Social Research.
9. Cooper D. Rand P.S. Schindler, Business Research Methods, Tata McGraw Hill.
10. C.S. Raydu, E-Business of E-Commerce, HPH
11. Dr. Usha Devi, Business Research Method, HPH
12. J.K. Sachdeva, Business Research Methodology,
13. William Emory, Business Research Methods.
14. Dr. O.R. Krishnaswami, "Business Research Methods", Himalaya Publishing House, 2020, Mumbai.
15. P.K. Mozi, Research Methodology, HPH
16. Dr. Usha Devi, Business Research Method, HPH

Note: Latest edition of textbooks may be used



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NAAC ACCREDITED - 'A' GRADE

Ref. No. NCJI/301(A)/2021/22


Date 20/12/2021

MEETING CIRCULAR

Notice is hereby, the members of the "INTERNAL RESEARCH AND ETHICS COMMITTEE" are invited to attend the meeting at 3:30 pm on 22/12/2021 for the discussion of the research polices.


Research Co-ordinator

Head
PG Dept of Mathematics
The National College
Autonomous
Jayanagar, Bangalore-560 070


Principal
PRINCIPAL
The National College
Jayanagar, Bangalore-70

Date: 20/12/2021

INTERNAL RESEARCH AND ETHICS COMMITTEE

Hereby, informing all the committee members to attend the meeting of internal research and ethics committee.

SI NO	Name of the member	Designation	Signature
1	Dr. Madhura K R	HOD	Madhura K.R
2	Dr. Sandhya L	Assistant professor	Sandhya L
3	Dr. K T Vasudevan	Co-ordinator	K T Vasudevan
4	Dr. Saraswathi	HOD	Saraswathi
5	Dr. Ngachampa jain	HOD	Ngachampa jain
6	Mr. Varadaraj R	Assistant professor	Varadaraj R
7	Mr. Jayanth M	Assistant professor	M. Jayanth.

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Ref. No. NCJ/302(A)/2021/22


Date 22/12/2021

PROCEEDINGS OF THE MEETING


A meeting was held for the discussion of the research policies

The following are the proceedings of the meeting:

- 1) Research coordinator have produced the Research document policy, Code of ethics and Plagiarism polices of the college
- 2) Encouraged the members of the committee to publish research articles on high impact factor journals or in Scopus indexed journals.
- 3) Motivated the members to present their students projects in international and national conferences and also to publish their project work.
- 4) In addition to this, we also encourage our students who are interested in research to actively participating in the comiittee activities.


Research Co-ordinator

Head
PG Dept of Mathematics
The National College
Autonomous
Jayanagar, Bangalore-560 070


Principal
The National College
Autonomous
Jayanagar 7th Block,
Bangalore - 560 070



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NAAC ACCREDITED - 'A' GRADE

Ref. No. NCJ/ 006 A / 2023 / 2024

Date 05/04/2023

RESEARCH DOCUMENT POLICY

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Vision

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Mission

1. Provide excellent research culture and infrastructure.
2. Serve as a platform for strong interdisciplinary collaborations and knowledge sharing.
3. Enhance the research capabilities of NCJ by engaging faculty in research that integrates the education of a diverse population of students especially; first-generation learners and the underprivileged.
4. Provide a rich intellectual environment for collaborative research among faculty and students from various departments.
5. Publish papers in high-quality journals of international repute.
6. Create quality human resources for scientific research.
7. Taking up Major and Minor research projects funded by organizations like UGC, DBT, DST, DRDO, ISRO, ICMR, etc. to improve the infrastructure and research facilities.
8. Taking consultancy projects from private and government firms.
9. Encourage faculty and students to take up government/management funded research projects.
10. Encourage faculty to file and obtain patents for their research findings.


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CODE OF ETHICS TO CHECK MALPRACTICES AND PLAGIARISM IN RESEARCH

The main objective is to promote the research and research publications and prevention of misconduct including plagiarism in R&D.

Introduction

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Possible types of Ethical violations

1. **Conflict of Interest:** Any action that may result in a conflict of interest must be fully disclosed. When objectivity and effectiveness cannot be maintained, the activity should be avoided or discontinued.
2. **Disputes about authorship:** Proper authorship representation is generally a matter for the involved parties to resolve.


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3. Duplicate submission abuses the resources of all affected journals, including the valuable time of editors, reviewers, and staff, and is unprofessional and unacceptable.
4. The College checks the plagiarism of research thesis/Project reports with the help of Turn it plagiarism check software. All faculty and researchers seeking paper submission are requested to submit the plagiarism report (maximum 20%) along with the paper to the committee for review
5. Any violation of the rule and other issues, complaints regarding plagiarism attracts disciplinary action to be imposed by a committee within one month from the day of complaint.


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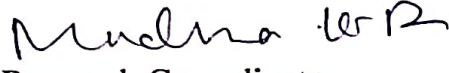
NAAC ACCREDITED - 'A' GRADE

Ref. No. NCJ/132(A), 2022, 23

Date 25/7/2022

MEETING CIRCULAR

Notice is hereby, the members of the "INTERNAL RESEARCH AND ETHICS COMMITTEE" are invited to attend the meeting at 3:30 pm on 27/7/2022 for the discussion of "the progress in the research and ethics proceedings".


Research Co-ordinator

Head
PG Dept of Mathematics
The National College
Autonomous
Jayanagar, Bangalore-560 070


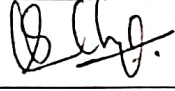
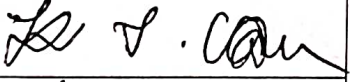
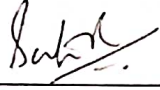
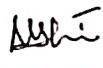
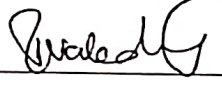
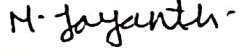

Principal

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The National College
Jayanagar, Bangalore-70.

25/7/2022

INTERNAL RESEARCH AND ETHICS COMMITTEE

Hereby, informed all the committee members to attend the meeting of internal research and Ethics committee.

Sl.no.	Name of the members	Designation	Signature
1	Dr.Madhura K R	HOD	
2	Dr. Sandhya L	Assistant Professor	
3	Dr. K T Vasudevan	Co-ordinator	
4	Dr. Saraswathi	HOD	
5	Dr.Nagachampa Jain	HOD	
6	Mr. Varadaraj R	Assistant Professor	
7	Mr. Jayanth M	Assistant professor	



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NAAC ACCREDITED - 'A' GRADE

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Ref. No. NCJ/134(A)/2022/23.


Date 27/07/2022

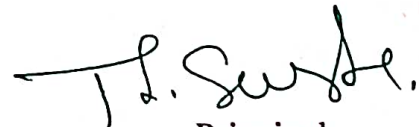
PROCEEDINGS OF THE MEETING

A meeting was held for the discussion of "the recent updates and progress in the research and ethics proceedings".

The following are the proceedings of the meeting:

- 1) We appreciate Dr. Madhura from Post-Graduation Department of Mathematics for publishing 3 research articles in the academic year.
- 2) We appreciate the students of Post-Graduation Department of Physics and Mathematics research for presenting their project works in International conferences under different titles.
- 3) We also encourage the M.Sc. students to publish their project works as research articles.


Research Co-ordinator



Principal
Principal
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Bangalore - 560 070.

Influence of nanoparticle shapes on natural convection flow with heat and mass transfer rates of nanofluids with fractional derivative

K.R. Madhura  Babitha Atiwali, S.S. Iyengar

First published: 14 April 2021 | <https://doi.org/10.1002/mma.7404> | Citations: 2

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Abstract

Nanofluids are gaining extensive attention due to their thermo-physical properties in technological and industrial fields for controlling the effects of heat transfer. Classical nanofluid studies are generally confined to models described by partial differential equations of an integer order where the memory effect and hereditary properties of materials are neglected. In order to overcome these downsides, the present work focuses on studying nanofluids with fractional derivative formed by differential equations with Caputo time derivatives that provides memory effect on nanofluid characteristics. Also, investigation on natural convective flow, heat, and mass transfer of nanofluids formed by different base fluids with different shapes of copper nanoparticles past an infinite vertical plate with radiation effect is carried out. The governing fractional differential equations are solved by employing Laplace transform technique with suitable boundary conditions. The different base fluids—water (H_2O), SA:sodium alginate ($C_6H_9NaO_7$), and EG:ethylene glycol ($C_2H_6O_2$) and different shapes of nanoparticles—blade, brick, platelet, and cylinder are considered for the study. The exact solutions are obtained for the temperature, concentration, and velocity distributions and the respective Nusselt number, Sherwood number, and skin-friction coefficient. The influence of non-dimensional parameters provides physical interpretations of temperature, concentration, and velocity fields, Nusselt number, Sherwood number, and skin friction in detail with the help of graphical representations. From the results, it is found that nanofluid with water-based blade-shaped nanoparticle exhibits more velocity and temperature distributions. Also, strengthen of fluid flow, temperature, and concentration of nanofluids are inversely correlate with fractional order derivatives.

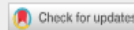
Research Article


Numerical investigation on magnetohydrodynamics boundary layer flow of micropolar Carreau nanofluid with nonlinear thermal radiation

K. R. Madhura , Babitha  & S. S. Iyengar


Pages 6224-6232 | Received 27 Jul 2021, Accepted 09 Nov 2021, Published online: 16 Dec 2021

 Cite this article <https://doi.org/10.1080/01430750.2021.2009370>



 Full Article

 Figures & data

 References

 Citations

 Metrics

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Read this article

Abstract

The current work examines the behaviour of micropolar Carreau nanofluid flow past an infinite vertical plate with nonlinear thermal radiation. Magnetic field, heat source/sink, viscous dissipation, internal and Joule heating effects are considered. The governing equations are reframed and expressed in the non-dimensional form with appropriate dimensionless quantities to analyse the model. The nonlinear non-dimensional governing equations are solved numerically using finite difference approximation to acquire the solutions. Impact of involving flow controlling parameters on fluid flow, heat and mass transport characteristics are discussed and presented via tables and graphical illustrations. Our outcomes figured out that the fluid motion and angular velocity declines with greater magnetic parameter values, and reverse trend is observed for micropolar constant. Further, computational results depict that thermal distribution is a rising function of radiation parameter and high thermal performance is observed; that is, 10.45% more temperature distribution is noticed in presence of nonlinear thermal radiation.

KEYWORDS: [Micropolar Carreau nanofluid](#) [finite difference method](#) [nonlinear thermal radiation](#) [magnetohydrodynamics](#) [Joule heating](#) [heat transfer](#)

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An investigation of Heat Transfer and Magnetohydrodynamics Flow of Fractional Oldroyd–B Nanofluid Suspended with Carbon Nanotubes

Original Paper | Published: 13 May 2022

Volume 8, article number 133, (2022) [Cite this article](#)

Babitha, K. R. Madhura  & S. S. Iyengar

 106 Accesses [Explore all metrics](#) →

Abstract

This study aims to investigate the heat transfer and magnetohydrodynamics flow of fractional Oldroyd–B nanofluid in a porous medium with radiation effect. The Caputo time-fractional derivative model is introduced to develop the Oldroyd–B fluid's constitutive relationship, which describes both memory and elastic effects. Two kinds of carbon nanotubes, particularly single-walled carbon nanotubes (SWCNTs) and multi-walled carbon nanotubes (MWCNTs) with base fluid water are considered for the study. The presence of carbon nanotubes with fractional derivatives made the results advantageous for handling similar heat-regulating industrial and engineering problems like achieving heat transfer management in automobile engines, boiler, heat exchangers, grinders and refrigerators. Nonlinear coupled governing equations involving Caputo time-fractional derivatives are reduced to dimensionless form using suitable non-dimensional quantities. The obtained nonlinear governing equations are solved using finite difference approximation with the combined L1 algorithm. Influence of involved parameters on fluid motion and thermal distribution are presented via plots and discussed in detail. The comparison between two kinds of nanofluids, namely SWCNT Oldroyd–B nanofluid and MWCNT Oldroyd–B nanofluid are studied and noticed that MWCNT Oldroyd–B nanofluid provides higher velocity and lower temperature for all embedded parameters. Also, skin-friction and heat transfer rate are controlled by the flow parameters like relaxation and retardation times, relaxation and retardation fractional derivatives, nanoparticle volume fraction, porosity, Darcy number, magnetic and radiation parameters. Furthermore, it is observed that $\overline{C}_{fMWCNTOldroyd-B\ nanofluid} > \overline{C}_{fSWCNTOldroyd-B\ nanofluid}$ and $\overline{Nu}_{SWCNTOldroyd-B\ nanofluid} > \overline{Nu}_{MWCNTOldroyd-B\ nanofluid}$.



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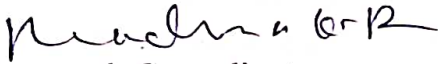
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Ref. No. NCJ/ 365A/ 2023 / 23

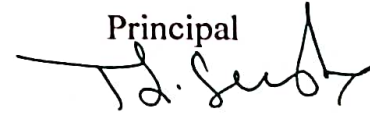
Date 9/01/2023

MEETING CIRCULAR

Notice is hereby, the members of the "INTERNAL RESEARCH AND ETHICS COMMITTEE" are invited to attend the meeting at 2:30 pm on 11/01/2023 for the discussion of "the progress in the research and ethics proceedings".


Research Co-ordinator

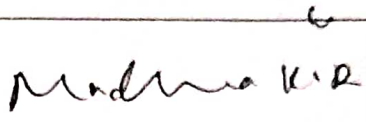
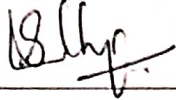
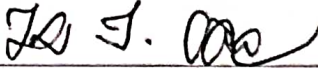
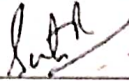
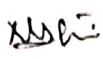
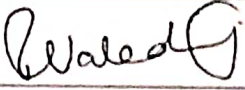
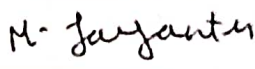
Head
PG Dept of Mathematics
The National College
Autonomous
Jayanagar, Bangalore-560 070

Principal

PRINCIPAL
The National College
Jayanagar, Bangalore-70

9/1/2023

INTERNAL RESEARCH AND ETHICS COMMITTEE

Hereby, informed all the committee members to attend the meeting of internal research and Ethics committee.

Sl.no.	Name of the members	Designation	Signature
1	Dr.Madhura K R	HOD	
2	Dr. Sandhya L	Assistant Professor	
3	Dr. K T Vasudevan	Co-ordinator	
4	Dr. Saraswathi	HOD	
5	Dr.Nagachampa Jain	HOD	
6	Mr. Varadaraj R	Assistant Professor	
7	Mr. Jayanth M	Assistant professor	

THE NATIONAL COLLEGE

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Phone : 080-26549684 Tele Fax : 080-26656644

Website : www.ncjayanagar.com E-mail: ncjblore@yahoo.com

NAAC ACCREDITED - 'A' GRADE



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Ref. No. NCJ/ 3680AY 2022 123

Date 11/01/2023...

PROCEEDINGS OF THE MEETING

A meeting was held for the discussion of “the recent updates and progress in the research and ethics proceedings”.

The following are the proceedings of the meeting:

1. Dr. Madhura K . R, Research Coordinator informed to the committee that M.Sc., Mathematics students were prepared the research articles of their project work and presented the articles in the International Conference “Applied Research in Engineering Sciences” which was held on 24th and 25th November 2022 at Ramiah Institute of Technology, Bengaluru, India.
2. Discussion was held on to submit the proposal to management for providing the seed money to researchers to encourage the research activities.
3. The teachers are informed to take up research activities more rigorously and were encouraged too publish papers in reputed journals.

Head
PG Dept of Mathematics
The National College
Autonomous
Jayanagar, Bangalore-560 070

PRINCIPAL
The National College
Jayanagar, Bangalore-70.



CERTIFICATE

This is to certify that

Ms. Aishwarya S V

The National College, Bangalore

has presented a paper titled **"INVESTIGATION OF TEMPERATURE DISTRIBUTION AND HEAT TRANSFER RATE OF MOVING FIN WITH RADIATION AND MAGNETIC FIELD EFFECTS"** at the *International Conference on Applied Research in Engineering Sciences -(ICARES-2022)* held on 24th & 25th November 2022. The conference is jointly organized by the Department of Physics, Chemistry, Mathematics & Humanities at Ramaiah Institute of Technology, Bengaluru-560054.

Dr. N. L. Ramesh
Professor & Head

Dept. of Mathematics & Humanities

Dr. A. Jagannatha Reddy
Professor & Head
Dept. of Physics

Dr. B. M. Nagabhushana
Professor & Head
Dept. of Chemistry

Dr. N. V. R. Naidu
Principal
Ramaiah Institute of Technology



RAMAIAH
Institute of Technology



ICARES-2022

BEST POSTER PRESENTATION AWARD

This is to certify that

Mr. Venkatesh P S

The National College, Jayanagar, Bengaluru

has received the best poster presentation award titled "**Status Nirmala Index And Its Applications**" at the **International Conference on Applied Research in Engineering Sciences -(ICARES-2022)** held on 24th & 25th November 2022. The conference is jointly organized by the Department of Physics, Chemistry, Mathematics & Humanities at Ramaiah Institute of Technology, Bengaluru-560054.

Dr. N. L. Ramesh
Professor & Head
Dept. of Mathematics & Humanities

Dr. A. Jagannatha Reddy
Professor & Head
Dept. of Physics

Dr. B. M. Nagabhushana
Professor & Head
Dept. of Chemistry

Dr. N. V. R. Naidu
Principal
Ramaiah Institute of Technology



CERTIFICATE

This is to certify that

Ms. Bhuvaneshwari K P

The National College, Bengaluru

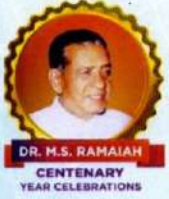
has presented a paper titled "QSPR Techniques Using Different Variants of Nirmala Index" at the *International Conference on Applied Research in Engineering Sciences -(ICARES-2022)* held on 24th & 25th November 2022. The conference is jointly organized by the Department of Physics, Chemistry, Mathematics & Humanities at Ramaiah Institute of Technology, Bengaluru-560054.

Dr. N. L. Ramesh
Professor & Head
Dept. of Mathematics & Humanities

Dr. A. Jagannatha Reddy
Professor & Head
Dept. of Physics

Dr. B. M. Nagabhushana
Professor & Head
Dept. of Chemistry

Dr. N. V. R. Naidu
Principal
Ramaiah Institute of Technology



ICARES-2022

BEST POSTER PRESENTATION AWARD

This is to certify that

Ms. Meghana N

The National College, Jayanagar, Bengaluru

has received the best poster presentation award titled **“Effect Of Suction/Injection On Two-Dimensional MHD Boundary Layer Flow Over A Wedge Embedded In A Porous Medium: A Numerical Approach”** at the ***International Conference on Applied Research in Engineering Sciences -(ICARES-2022)*** held on 24th & 25th November 2022. The conference is jointly organized by the Department of Physics, Chemistry, Mathematics & Humanities at Ramaiah Institute of Technology, Bengaluru-560054.

Dr. N. L. Ramesh
Professor & Head

Dept. of Mathematics & Humanities

Dr. A. Jagannatha Reddy
Professor & Head
Dept. of Physics

Dr. B. M. Nagabhushana
Professor & Head
Dept. of Chemistry

Dr. N. V. R. Naidu
Principal

Ramaiah Institute of Technology