





SCHOOL OF PEDAGOGICAL SCIENCES SUMMER LECTURE SERIES ON RESEARCH METHODOLOGY 2025 (8-day Lecture series, 20-29 MAY 2025)

REPORT



SUMMER LECTURE SERIES ON RESEARCH METHODOLOGY INAUGURATED AT SCHOOL OF PEDAGOGICAL SCIENCES, MAHATMA GANDHI UNIVERSITY FROM 20th - 29th MAY 2025

Date of Summer Lecture Series: 20/05/2025 – 29/05/2025

Venue: School of Pedagogical Sciences, Mahatma Gandhi University, Kottayam

Event: Summer Lecture Series on Research Methodology

Participants: Speakers of the day - Dr. Ronu Thomas, Assistant Professor, St. Joseph's Training College, Mannanan, Dr. Rosamma Philip, Principal-in-charge, Mount Tabor Training College, Students and Faculties from the School of Pedagogical Sciences, Mahatma Gandhi University, Kottayam

INTRODUCTION

The School of Pedagogical Sciences, Mahatma Gandhi University, commenced its Summer Lecture Series on Research Methodology for M.Ed. Students and Research Scholars on 20th May 2025, with the inaugural ceremony held at 11:00 AM at the Seminar Hall of School of Pedagogical Sciences. The program marks the beginning of an academic initiative scheduled to run until 29th May 2025, aimed at strengthening the research capabilities of postgraduate students and the researchers.

The event began at 11:00 AM with a prayer song presented by the first-year M.Ed. students, Ms. Dona Mariya Joy and Ms. Bella Dona Rachel Varghese which set a serene and respectful tone for the proceedings. Following the prayer, the welcome address was delivered by the program coordinator, Prof. (Dr.) Sajna Jaleel, who extended a warm welcome to all attendees and outlined the objectives of the lecture series. A special mention was made about the speakers of the lecture series, who are proud alumni of the School of Pedagogical Sciences, further establishing the connection between the university's rich history and the current generation of learners.

This was followed by the presidential address delivered by the Head of the Department, Prof. (Dr.) Asha J V emphasizing the critical role of methodological training in academic research. The inaugural ceremony was graced by the Vice Chancellor of Mahatma Gandhi University, Prof. (Dr.) C.T. Aravindakumar who formally inaugurated the program. In his keynote address, the Vice Chancellor highlighted the significance of conducting meaningful research, the value of publishing in reputed journals, and the need to understand scholarly publishing beyond mere quantity. Adding a personal touch, the Vice Chancellor shared anecdotes and incidents from his own life, offering an authentic glimpse to understand the journals deeply rather than merely publishing for the sake of it. He stressed the importance of well-structured components in academic writing, such as crafting a strong introduction and conducting a thorough review of literature.

Felicitations were offered by Dr.Smitha S and Dr.Muhammed K V, Assistant Professors, faculty members of the department, who expressed their support and appreciation for the initiative and encouraged the students to make the most of the upcoming sessions. Also, the

speaker of the day Dr. Ronu Thomas, Assistant Professor, St. Joseph's Training College, Mannanam felicitated the participants.

The event concluded with the National Anthem, marking the end of a memorable and inspiring inaugural ceremony.







DAY 1

ACADEMIC SESSION I

Following the inspiring inaugural ceremony, the first academic session of the Summer Lecture Series commenced at 12:00 noon with a lecture by Dr. Ronu Thomas, Assistant Professor, St. Joseph's Training College, Mannanam titled "Literature Review and Research Questions: Strategies for Critical Analysis and Hypothesis Development". The session provided an indepth exploration of the Review of Literature, a cornerstone of academic research.

The session covered a comprehensive range of topics including the role, stages, and purpose of conducting a literature review. Participants were introduced to various sources of literature, key points to keep in mind while reviewing, the steps involved, and important ethical considerations. The session was rich in content and highly informative, laying a strong foundation for the post graduate students and research scholars to critically engage with existing

literature in their respective fields. The session concluded at 1:30 PM with a vote of thanks delivered by Ms. Gayathri Premkumar, first-year M.Ed. student.





ACADEMIC SESSION II

The second session, held from 2:30 PM to 3:45 PM, was led by Dr. Rosamma Philip, Principal-in-charge, Mount Tabor Training College, and was titled "Foundations of Educational Research: History, Objectives, and Action Research". While grounded in theoretical concepts, the session primarily emphasized Positive Research Behaviour. Through engaging storytelling and relatable anecdotes from everyday life, Dr. Rosamma Philip illustrated the struggles and emotional challenges often encountered in the research journey. She emphasized the importance of professionalism, resilience, and the ability to maintain positive conduct in the face of adversity. The session resonated deeply with the participants, offering real-life lessons that were both insightful and emotionally stirring. It was a powerful reminder that research is not just an academic pursuit, but also a personal and transformative journey and concluded with a vote of thanks by Mr. M Muhammed Althaf of First year M.Ed at 3:45pm.







CONCLUSION

At the conclusion of the first day of the Summer Lecture Series, Certificates of Appreciation were presented to the resource persons, Dr. Ronu Thomas and Dr. Rosamma Philip, as a gesture of gratitude for their valuable contributions to the event. These certificates recognized their expertise and the profound impact of their sessions on the participants.

Both sessions were well-received, with participants actively engaging in discussions and expressing appreciation for the depth and relevance of the content delivered. The first day of the lecture series was a resounding success, with well-organized sessions and a thoughtful blend of scholarly discussion and reflection. The positive energy and intellectual engagement demonstrated by both the speakers and participants set the stage for an enriching series of lectures in the days ahead. *Rapporteur:* Ms.Anjana M

Photography: Mr.Senthilkumar S & Ms. Veena K Kumar



DAY 2

SUMMER LECTURE SERIES

Date: 21/05/2025

Time: 11:00 AM – 1:00 PM

Speaker: Dr. Styne Joseph, (Assistant Professor, IASE Thrissur)

Topic: Research Design in Education: Framework, Methodologies and

Practical Applications

Anchor: Mr. Akhilesh R Nadh (Research Scholar)

Prayer: Ms. Gourinandhana M. (M.Ed. Student)

Vote of Thanks: Ms. Khamaruneesa E. A (M.Ed. Student)

The Summer Lecture Series conducted on 21st May 2025 at the School of Pedagogical Sciences featured a comprehensive and enlightening lecture by Dr. Styne Joseph, Assistant Professor at the Institute of Advanced Study in Education (IASE), Thrissur. The Programme began at 11:00 AM with a solemn prayer by Ms. Gourinandhana M., M.Ed. student, followed by the welcome address and anchoring by Mr. Akhilesh R Nadh, Research Scholar.

Dr. Styne Joseph delivered an academic lecture on the topic "Research Design in Education: Framework, Methodologies and Practical Applications." The session commenced with a presentation of the learning outcomes, setting the tone and purpose for the audience. He thoroughly discussed the concept and scope of research, detailed various types of research designs including descriptive, experimental, quasi-experimental, correlational, and mixed-method approaches and examined the foundations of educational research. The concept of variables and their classifications was also clearly explained.

In the second part of the lecture, Dr. Styne Joseph explored practical aspects of conducting research, such as sampling strategies, tool development, ethical considerations, and methods of data analysis. The content was presented in a structured and interactive manner, supported with real-life illustrations and examples from educational contexts, which helped bridge the gap between theory and application.

Following an engaging session, a certificate of appreciation was presented to Dr. Styne Joseph in recognition of his valuable contribution to the academic enrichment

of the participants. The event concluded at 1:00 PM with a warm and sincere vote of thanks by Ms. Khamaruneesa E. A, M.Ed. student, expressing gratitude to the speaker, faculty, and all attendees.

Conclusion

The lecture was a highly beneficial academic event that deepened participants' understanding of research design and methodology. Dr. Styne Joseph's balanced approach, combining theoretical clarity with practical application, made the session intellectually stimulating and pedagogically valuable. The event contributed meaningfully tothe professional preparation of teacher-educators and researchers and reinforced the academic objectives of the Summer Lecture Series.

Rapporteur: Ann Mariya Joseph







DAY: 3

Date: 22/05/2025

Time: 11:00 AM – 1:00 PM

Speaker: Dr. Isaac Paul (Professor and head, Govt. College of Teacher Education,

TVM)

Topic: Tools and Techniques of Data Collection: Surveys, Interviews and Online Methods

Anchor: Ms. Mariya George (Research Scholar)

Prayer: Ms. Gourinandhana M. (M.Ed. Student)

Vote of Thanks: Ms. Sradha S Raj (M.Ed. Student)

The Summer Lecture Series conducted on 22st May 2025 at the School of Pedagogical Sciences featured a comprehensive and enlightening lecture by Dr. Isaac Paul Professor and Head at the Govt College of Teacher Education, TVM. The

programme began at 11:00 AM with a solemn prayer by Ms. Gourinandhana M., M.Ed. student, followed by the welcome address and anchoring by Ms. Mariya George, Research Scholar.

Dr. Issac Paul delivered an academic lecture on the topic "Tools and Techniques of Data Collection: Surveys, Interviews and Online Methods" The session was conducted focusing on the tools and techniques of data collection, with particular emphasis on surveys, interviews, and online methods. The lecture aimed to provide students and researchers with a clear understanding of how to effectively gather data for academic and practical research purposes. The session began with an overview of surveys, which are among the most commonly used tools for collecting data from a large number of respondents. Surveys typically use structured questionnaires and can include both closed and open-ended questions. The lecturer highlighted the importance of clear and unbiased question design, sampling techniques, and the benefits of surveys in collect quantifiable and generalizable data.

In the Next, the lecture addressed interviews as a qualitative method of data collection. Different types of interviews were discussed, including structured, semi-structured, and unstructured formats. Interviews allow for deep exploration of respondents' perspectives, making them ideal for studies requiring detailed insights. However, the lecturer also pointed out challenges such as interviewer bias and the need for strong interpersonal skills. The final part of the session focused on online methods of data collection, which have gained popularity with the rise of digital communication. Tools such as online surveys, email questionnaires, and social media platforms were examined. These methods offer advantages like broad reach, speed, and cost-effectiveness. Nevertheless, the lecture also highlighted potential limitations such as lack of internet access for some populations and data reliability issues

Following an engaging session, a certificate of appreciation was presented to Dr. Isaac Paul in recognition of his valuable contribution to the academic enrichment of the participants. The event concluded at 1:00 PM with a warm and sincere vote of thanks by Ms.Sradha S Raj M.Ed. student, expressing gratitude to the speaker, faculty, and all attendees.

Conclusion

In conclusion, the lecture emphasized that selecting the right data collection method depends on the research objectives, the nature of the data required, and the target population. A mixed-methods approach was recommended where appropriate, to ensure comprehensive and accurate data collection. This session provided valuable insights and practical knowledge for conducting effective research, making it a beneficial part of the lecture series on research methodology.

Rapporteur: Dhanya R Nair







DAY 4

DAY 4 - SESSION 5

Date: 23rd May 2025

Time: 10:00 AM - 12:30 PM

Speaker: Dr. Jisha Baby (Assistant Professor, St. Joseph's Training College, Mannanam)

Topic: Qualitative Research Perspectives: Understanding Methodological Diversity

Anchor: Ms. Neenum Dittu (Research Scholar)

Report

The fifth session of the Research Methodology Summer Lecture Series 2025 was conducted on 23rd May 2025 at the Seminar Hall, School of Pedagogical Sciences, Mahatma Gandhi University. The session featured an enlightening lecture by Dr. Jisha Baby, Assistant Professor at St. Joseph's Training College, Mannanam. The Programme began at 10:00 AM with Ms. Neenum Dittu, Research Scholar, serving as the anchor for the event. She warmly welcomed

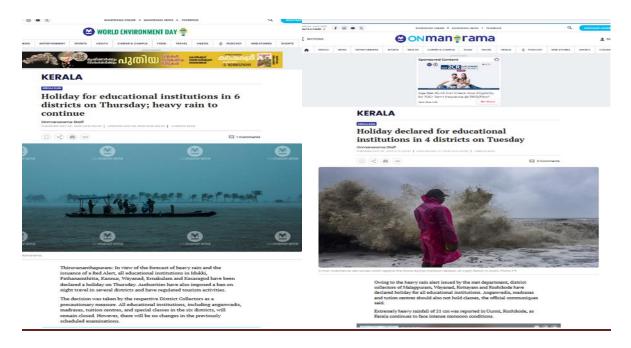
the participants and set the stage for the session. Dr. Jisha Baby delivered a thought-provoking lecture on "Qualitative Research Perspectives: Understanding Methodological Diversity." She began by outlining the significance of qualitative approaches in educational research and emphasized the value of methodological variety in capturing complex human experiences. The session delved into key qualitative research methodologies, including ethnography, phenomenology, grounded theory, case study, and narrative inquiry. Dr. Baby elaborated on the theoretical foundations, methodological frameworks, and the practical procedures involved in data collection, coding, interpretation, and ethical considerations. Her presentation was both insightful and accessible, enhanced by real-life examples and educational contexts. She encouraged interaction and responded thoughtfully to questions, ensuring that the audience could relate to and apply the concepts discussed. The session concluded at 12:30 PM following a stimulating discussion with the audience. Participants expressed their appreciation for the clarity and depth of the session, which added significantly to their understanding of qualitative research practices.

Conclusion

This session was a valuable academic experience that enriched participants' understanding of qualitative research methodologies. Dr. Jisha Baby's clarity of thought, combined with her engaging delivery, provided a nuanced perspective on the diversity within qualitative inquiry. The lecture significantly contributed to the academic growth of scholars and educators, aligning well with the goals of the Summer Lecture Series.

Rapporteur: Jerald Thomas





NEWS PAPER

HOLIDAY DECLARED ON 27TH & 28TH MAY 2025 DUE TO HEAVY RAIL FALL.

OFFLINE SESSIONS WERE FLIPPED TO ONLINE

DAY 5

Date: 26/05/2025

Time: 11:00 AM - 1:00 PM

Speaker: Dr. Anne Mary Thomas Assistant Professor (GOVT GUEST) ST Thomas College Of

Teacher Education, Pala

Topic: SAMPLING TECHNIQUES IN EDUCATIONAL RESEARCH: METHODS, ERRORS AND BIAS CONTROL.

Anchor: Mr. Akhilesh R Nadh (Research Scholar)

Prayer: Ms. Guru Mahima (M.Ed. Student)

Vote of Thanks: Mr. Nicholas Kiptishe. A (M.Ed. Student)

The Summer Lecture Series conducted on 26st May 2025 at the School of Pedagogical Sciences featured a comprehensive and enlightening lecture by Dr Anne Mary Thomas Assistant Professor ST Thomas College of Teacher Education Pala. The programme began at 11:00 AM

with a solemn prayer by Ms. Gurumahima., M.Ed. student, the programme was conducted

through online mode due to heavy rainfall and bad climate the government authority declare

holiday on 26th may 2025.

Dr Anne Mary Thomas delivered an academic lecture on the topic "Sampling Techniques in

Educational Research: Methods, Errors, and bias control." The session commenced with an

introduction to students to the of sampling methods in research and its significance, the errors

involved in developing and validating sample, and the purpose of sampling.

In the second part of the lecture, Dr. Anne Mary covered various sampling methods, including

probability sampling (simple random, stratified, cluster, systematic) and non-probability

sampling (convenience, purposive, quota). The class explored the advantages and

disadvantages of each method and how they impact the generalizability of research

findings. Additionally, she examined common sources of sampling error, such as non-response

bias, selection bias, and measurement error, and strategies to minimize them, including

increasing sample size, using random sampling, and employing rigorous data collection

procedures.

Following an engaging session, a certificate of appreciation was presented to Mrs. Anne Mary

Thomas in recognition of her valuable contribution to the academic enrichment of the

participants. The event concluded at 1:00 PM with a warm and sincere vote of thanks by Ms.

Nicholas Kiptishe, M.Ed student, expressing gratitude to the speaker, faculty, and all

attendees.

Conclusion

The lecture was a highly beneficial academic event that deepened participants' understanding

of research design and methodology Mrs. Anne Mary Thomas balanced approach, combining

theoretical clarity with practical application, made the session intellectually stimulating and

pedagogically valuable. Even in the middle of technical and geographical constraint the event

contributed meaningfully to the professional preparation of teacher-educators and

researchers and reinforced the academic objectives of the Summer Lecture Series.

Rapporteur: Anjana S



DAY: 6

Date: 26/05/2025

Time: 11:00 AM - 1:00 PM

Speaker: Mrs. Sheeja K G (Assistant Professor, S.A.M College of Education, Poothotta)

Topic: Standardization of Research Tools

Anchor: Mr. Akhilesh R Nadh (Research Scholar)

Prayer: Ms. Gurumahima (M.Ed Student)

Vote of Thanks: Mr. Nicholas Kiptishe. A (M.Ed Student)

The Summer Lecture Series conducted on 26st May 2025 at the School of Pedagogical Sciences featured a comprehensive and enlightening lecture by Sheeja K G, Assistant Professor at the S.A.M College of Education Poothotta. The programme began at 11:00 AM with a solemn prayer by Ms. Gurumahima., M.Ed student, the programme was conducted through online mode due to heavy rainfall and bad climate the government authority declare holiday on 26th may 2025.

Mrs. Sheeja K G delivered an academic lecture on the topic "Standardisation of Research tools" The session commenced with an introduction to students to the concept of standardisation in research, its significance in ensuring data accuracy, and the procedures involved in developing and validating research tools such as questionnaire, rating scales, and observation, checklist In the second part of the lecture, Mrs. Sheeja K G covered with the following key areas such as what is standardisation, steps in standardising a tool, practical examples and case studies, and importance of ethical consideration in standardisation of tools.

Following an engaging session, a certificate of appreciation was presented to Mrs. Sheeja K G in recognition of his valuable contribution to the academic enrichment of the participants. The

event concluded at 1:00 PM with a warm and sincere vote of thanks by Ms. Nicholas Kiptishe, M.Ed student, expressing gratitude to the speaker, faculty, and all attendees.

Conclusion

The lecture was a highly beneficial academic event that deepened participants' understanding of research design and methodology Mrs. Sheeja K G balanced approach, combining theoretical clarity with practical application, made the session intellectually stimulating and pedagogically valuable. Even in the middle of technical and geographical constraint the event contributed meaningfully to the professional preparation of teacher-educators and researchers and reinforced the academic objectives of the Summer Lecture Series.

Rapporteur : Anjana S



DAY 7

Date: 28/05/2025

Time: 11:00 AM to 12.30 PM

Speaker: Dr. Styne. Joseph

Assistant. Professor. Physical Science

IASE Thrissur

Topic: Quantitative Research Perspective

Understanding Methodological Diversity

Anchor: Sanal Chandran (Research Scholar)

Prayer: Bella Dona Rachel Vargheese (M.Ed Student)

Vote of Thanks: Dr. Vipin. Thomas (M.Ed Student)

The Summer Lecture Series conducted on 28th May 2025 at the School of Pedagogical Sciences featured a comprehensive and enlightening lecture by Dr. Styne. Joseph Assistant. Professor. Physical Science IASE Thrissur. The programme began at 11:00 AM with a solemn prayer by Ms. Bella Dona Rachel Vargheese., M.Ed. student, followed by the welcome address and anchoring by Mr. Sanal Chandran, Research Scholar.

In today's session, we explored the methodological diversity within quantitative research, focusing on its structure, purpose, and application in educational settings. The session began with an outline of learning objectives, aiming to provide a clear understanding of what quantitative research entails. We discussed the characteristics of quantitative research, such as its reliance on numerical data, statistical analysis, and objective measurement.

A key part of the class was determining when to use quantitative research—particularly when the goal is to test hypotheses, establish patterns, or measure variables. Conversely, we examined scenarios when not to use quantitative research, such as when exploring deep meanings or individual experiences, which are better suited to qualitative methods.

Dr. Styne Joseph also clarified the distinction between a hypothesis and a theory—a hypothesis being a testable prediction, while a theory is a broader explanation based on evidence. We compared quantitative and qualitative research, emphasizing that each has unique strengths depending on the research question.

Further, he covered various types of quantitative research, including descriptive, correlational, causal-comparative, and experimental. The class concluded with examples from the educational field, such as analysing student test scores or evaluating the effectiveness of a teaching method.

He discussed manipulation in educational research, focusing on variable control and ethical concerns. We also explored pre-experimental and quasi-experimental designs, highlighting their structures and limitations. Additionally, we examined various research philosophies that guide methodological choices, including positivism, interpretivism, and pragmatism, emphasizing their impact on research approaches.

Following an engaging session, a certificate of appreciation was presented to Dr. Styne Joseph in recognition of his valuable contribution to the academic enrichment of the participants. The event concluded at 12.30 PM with a warm and sincere vote of thanks by Dr. Vipin. Thomas M.Ed. student, expressing gratitude to the speaker, faculty, and all attendees.

Conclusion

The session provided a comprehensive understanding of quantitative research, its characteristics, applications, and limitations. By understanding the structure, purpose, and applications of quantitative research, educators and researchers can effectively utilize this methodology to inform educational practices, assess student performance, and evaluate teaching methods. This knowledge enables data-driven decision-making and contributes to the advancement of educational research.

Rapporteur: Praveena. P



DAY 8

Date: 29/05/2025

Time: 10:30am – 12noon

Resource Person: Dr. Shanavas K. E., Govt. Higher Secondary School, Thandekad, Ernakulam

Topic: Ethical Considerations in Research: Integrity, Plagiarism, and Confidentiality

Anchor: Ms. Neenum Ditto (Research Scholar)

Prayer: Ms. Gurumahima M V (M.Ed. Student)

Vote of Thanks: Ms.Gurumahima M V (M.Ed. Student)

The eighth and final day of the Summer Lecture Series concluded today with an insightful session led by Dr. Shanavas K. E., who addressed the critical topic of ethical considerations in research, focusing on *integrity, plagiarism, and confidentiality*.

Dr. Shanavas discussed the key ethical principles that every researcher should follow. He explained the importance of maintaining honesty and integrity while conducting and presenting research. The issue of plagiarism was addressed in detail, with clear examples to

show how it can be avoided. He also spoke about the need to protect participants' confidentiality and ensure that their information is used responsibly.

The session was very informative and easy to follow. Dr. Shanavas gave clear explanations and connected the topic to real-life situations in research, which made the session more meaningful for the participants. Students and research scholars actively participated and appreciated the relevance of the topic. The session helped everyone understand the importance of ethics in building trustworthy and quality research.

The lecture marked a successful conclusion to the eight-day Summer Lecture Series.







VALEDICTORY CEREMONY

Following the session, the valedictory ceremony of the Eight-Day Summer Lecture Series 2025 The Programme began with a prayer by Ms. Gowri Nandana, M.Ed. Student followed by a warm welcome address by Dr. Muhammed K.V., Assistant Professor, School of Pedagogical Sciences.

Then, feedback was shared by the participants, Mr. Chesaro Nicholas Kiptisha, M.Ed. student, School of Pedagogical Sciences, Mr. Akhilesh R Nath, Research Scholar, School of pedagogical Sciences and Mr. Sandeep Krishnan, Research Scholar, St. Thomas College of Teacher Education, Palai spoke about their experiences. They expressed appreciation for the quality of sessions, the relevance of the topics, and the engaging resource persons.

Certificates were awarded to the resource persons of the series, including Dr. Shanavas K. E. and Dr. Jisha Baby, Assistant Professor, St. Joseph's Training College, Mannanam in appreciation of their contributions.

Prof. (Dr.) Sajna Jaleel, Programme Coordinator, Professor, School of Pedagogical Sciences gave the concluding remarks. She highlighted the importance of doing research with commitment and care. She also recalled the words of the Vice Chancellor, Prof. (Dr.) C.T.

Aravindakumar from the inaugural session, mentioning how his thoughts gave a strong and inspiring start to the lecture series.

The vote of thanks was delivered by Dr. Smitha S., Assistant Professor, School of Pedagogical Sciences who expressed gratitude to all the resource persons, organizers and participants. She also wished everyone success in their research journey and in life.

The Programme concluded with the National Anthem followed by a group photo.

Rapporteur: Ms. Anjana M (M.Ed. Student)

Photography: Mr. Senthilkumar S (Research Scholar)



ORGANIZING COMMITTEE

- ✓ Prof. (Dr.) Asha J V (Head of the Department)
- ✓ Prof. (Dr.) Sajna Jaleel (Convener and Co Ordinator)
- ✓ Dr. Muhammed K V (Assistant Professor)
- ✓ Dr. Smitha S (Assistant Professor)
- ✓ Seena Sarah Abraham
- ✓ Geethu T G
- ✓ Mariya George
- ✓ Senthil Kumar
- ✓ Johncy
- ✓ Veena K Kumar
- ✓ Akhilesh R Nath
- ✓ Neenum Ditto
- ✓ Sanal K Chandran
- ✓ Anjana S
- ✓ Praveena

CERTIFICATES



(Sample Certificates)











