



# P.K.M. COLLEGE OF EDUCATION

MADAMPAM, KAITHAPRAM P. O., KANNUR – 670 631

(Govt. Aided Teacher Education Institution affiliated to Kannur University)

Recognized by NCTE included under UGC 2(f) & 12(B) category

Accredited by NAAC with 'A' Grade, (Second cycle -4 point scale), RUSA 2.0 beneficiary

**2.7.5: Performance of students on various assessment tasks reflects how far their initially identified learning needs are catered to**

## RESULT ANALYSIS



## Result Analysis

### REPORT OF STUDENTS CONSOLIDATED MARK DETAILS ACADEMIC YEAR 2018-19

#### INTRODUCTION

This report presents a comprehensive overview of the consolidated mark list for the university examinations of student teachers at P. K. M College of Education, Madampam, belonging to the batch 2017-19. Focusing on each optional class, the analysis delves into the academic performance of the student teachers, shedding light on their achievements and areas for improvement. Through a meticulous examination of the individual marks, this report aims to provide valuable insights into the educational landscape, offering a nuanced understanding of the strengths and challenges within the specified cohort. The findings contribute to the ongoing efforts to enhance the quality of education and guide future pedagogical strategies.

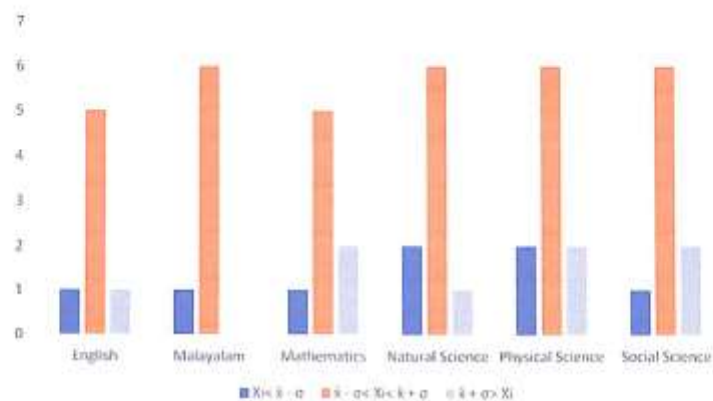
#### ANALYSIS

The marks obtained by the student teachers are categorised based on the mean and standard deviation of the collected data.

Optional	Mean ( $\bar{x}$ )	Standard Deviation ( $\sigma$ )	$X_i < \bar{x} - \sigma$	$\bar{x} - \sigma < X_i < \bar{x} + \sigma$	$\bar{x} + \sigma > X_i$
English	1028.2	132.867227	1	5	1
Malayalam	919.7142857	411.9173519	1	6	0
Mathematics	1086.75	67.09002	1	5	2
Natural Science	1071.222	79.92462	2	6	1
Physical Science	1116.5	61.41163	2	6	2
Social Science	1065	65.37584	1	6	2



  
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**English:** Most students (1) scored within one standard deviation of the mean.

**Malayalam:** No students scored within one standard deviation of the mean. Most students (6) scored more than one standard deviation below the mean. This suggests that many students struggled in Malayalam.

**Mathematics:** Two students scored within one standard deviation of the mean. Five students scored more than one standard deviation above the mean, and two students scored more than one standard deviation below the mean. This suggests that there was a wider range of performance in Mathematics compared to English or Malayalam.

**Natural Science:** Two students scored within one standard deviation of the mean. One student scored more than one standard deviation above the mean, and six students scored more than one standard deviation below the mean. This suggests that there was a wider range of performance in Natural Science compared to English or Malayalam, but not as wide as in Mathematics.

**Physical Science:** Two students scored within one standard deviation of the mean. Two students scored more than one standard deviation above the mean, and six students scored more than one standard deviation below the mean. This suggests that there was a wider range of performance in Physical Science compared to English or Malayalam, but not as wide as in Mathematics.



  
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**Social Science:** Two students scored within one standard deviation of the mean. Two students scored more than one standard deviation above the mean, and six students scored more than one standard deviation below the mean. This suggests that there was a wider range of performance in Social Science compared to English or Malayalam, but not as wide as in Mathematics.

### CONCLUSION

Overall, the data suggests that students of English and Mathematics performed better than Malayalam, Natural Science, Physical Science, and Social Science. There was also a wider range of performance in Mathematics, Natural Science, Physical Science, and Social Science compared to English or Malayalam.



  
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**REPORT OF STUDENTS CONSOLIDATED MARK DETAILS**  
**ACADEMIC YEAR 2019-20**

**INTRODUCTION**

This report presents a comprehensive overview of the consolidated mark list for the university examinations of student teachers at P. K. M College of Education, Madampam, belonging to the batch 2018-20. Focusing on each optional class, the analysis delves into the academic performance of the student teachers, shedding light on their achievements and areas for improvement. Through a meticulous examination of the individual marks, this report aims to provide valuable insights into the educational landscape, offering a nuanced understanding of the strengths and challenges within the specified cohort. The findings contribute to the ongoing efforts to enhance the quality of education and guide future pedagogical strategies.

**ANALYSIS**

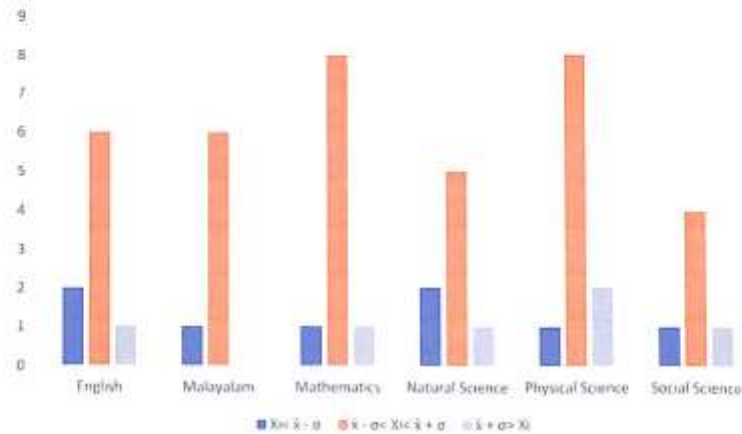
The marks obtained by the student teachers are categorised based on the mean and standard deviation of the collected data.

Optional	Mean ( $\bar{x}$ )	Standard Deviation ( $\sigma$ )	$X_i < \bar{x} - \sigma$	$\bar{x} - \sigma < X_i < \bar{x} + \sigma$	$\bar{x} + \sigma > X_i$
English	1118.6667	87.6099	2	6	1
Malayalam	954.8571	425.8553	1	6	0
Mathematics	1128.6	76.4696	1	8	1
Natural Science	1109.375	74.4061	2	5	1
Physical Science	1099.4545	76.3837	1	8	2
Social Science	1141	38.5123	1	4	1



  
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English:

- Students with marks less than one standard deviation below the mean ( $X_i < \bar{x} - \sigma$ ) are 2.
- Students with marks between one standard deviation below and one standard deviation above the mean ( $\bar{x} - \sigma < X_i < \bar{x} + \sigma$ ) are 6.
- Students with marks more than one standard deviation above the mean ( $\bar{x} + \sigma > X_i$ ) are 1.

Malayalam:

- Students with marks less than one standard deviation below the mean ( $X_i < \bar{x} - \sigma$ ) are 1.
- Students with marks between one standard deviation below and one standard deviation above the mean ( $\bar{x} - \sigma < X_i < \bar{x} + \sigma$ ) are 6.
- There are no students with marks more than one standard deviation above the mean.

Mathematics:

- Students with marks less than one standard deviation below the mean ( $X_i < \bar{x} - \sigma$ ) are 1.
- Students with marks between one standard deviation below and one standard deviation above the mean ( $\bar{x} - \sigma < X_i < \bar{x} + \sigma$ ) are 8.
- Students with marks more than one standard deviation above the mean ( $\bar{x} + \sigma > X_i$ ) are 1.

Natural Science:

- Students with marks less than one standard deviation below the mean ( $X_i < \bar{x} - \sigma$ ) are 2.
- Students with marks between one standard deviation below and one standard deviation above the mean ( $\bar{x} - \sigma < X_i < \bar{x} + \sigma$ ) are 5.
- Students with marks more than one standard deviation above the mean ( $\bar{x} + \sigma > X_i$ ) are 1.



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**Physical Science:**

- Students with marks less than one standard deviation below the mean ( $X_i < \bar{x} - \sigma$ ) are 1.
- Students with marks between one standard deviation below and one standard deviation above the mean ( $\bar{x} - \sigma < X_i < \bar{x} + \sigma$ ) are 8.
- Students with marks more than one standard deviation above the mean ( $\bar{x} + \sigma > X_i$ ) are 2.

**Social Science:**

- Students with marks less than one standard deviation below the mean ( $X_i < \bar{x} - \sigma$ ) are 1.
- Students with marks between one standard deviation below and one standard deviation above the mean ( $\bar{x} - \sigma < X_i < \bar{x} + \sigma$ ) are 4.
- Students with marks more than one standard deviation above the mean ( $\bar{x} + \sigma > X_i$ ) are 1.

**CONCLUSION**

In summary, the analysis indicates the distribution of student teachers' marks across different optional classes. It provides insights into the relative performance of students in each subject, highlighting the number of students below average, within the average range, and those excelling in their academic performance.



  
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## REPORT OF STUDENTS CONSOLIDATED MARK DETAILS ACADEMIC YEAR 2020-21

### INTRODUCTION

This report presents a comprehensive overview of the consolidated mark list for the university examinations of student teachers at P. K. M College of Education, Madampam, belonging to the academic year 2020-21. Focusing on each optional class, the analysis delves into the academic performance of the student teachers, shedding light on their achievements and areas for improvement. Through a meticulous examination of the individual marks, this report aims to provide valuable insights into the educational landscape, offering a nuanced understanding of the strengths and challenges within the specified cohort. The findings contribute to the ongoing efforts to enhance the quality of education and guide future pedagogical strategies.

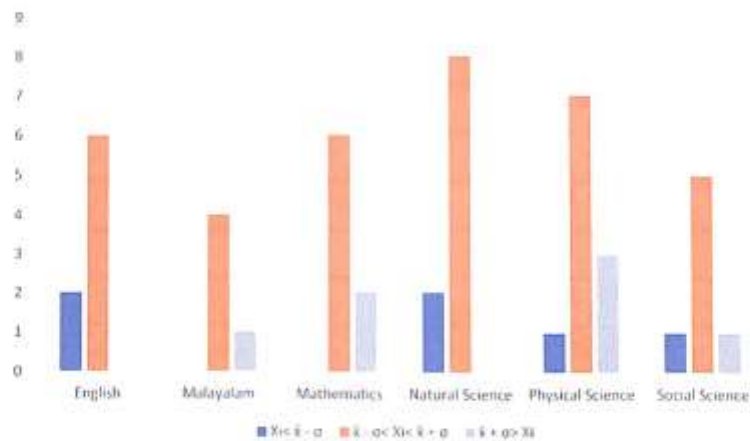
### ANALYSIS

The marks obtained by the student teachers are categorised based on the mean and standard deviation of the collected data.

Optional	Mean ( $\bar{x}$ )	Standard Deviation ( $\sigma$ )	$X_i < \bar{x} - \sigma$	$\bar{x} - \sigma < X_i < \bar{x} + \sigma$	$\bar{x} + \sigma > X_i$
English	805.75	502.2676	2	6	0
Malayalam	1152.2	38.3822	0	4	1
Mathematics	1142	49.5349	0	6	2
Natural Science	910.1	481.2796	2	8	0
Physical Science	1118.8181	59.4858	1	7	3
Social Science	1090.2857	53.0745	1	5	1



  
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English:

- Students with marks less than the mean minus one standard deviation ( $X_i < \bar{x} - \sigma$ ) are 2.
- Students with marks between the mean minus one standard deviation and the mean plus one standard deviation ( $\bar{x} - \sigma < X_i < \bar{x} + \sigma$ ) are 6.
- Students with marks greater than the mean plus one standard deviation ( $\bar{x} + \sigma > X_i$ ) are 0.

Malayalam:

- Students with marks less than the mean minus one standard deviation ( $X_i < \bar{x} - \sigma$ ) are 0.
- Students with marks between the mean minus one standard deviation and the mean plus one standard deviation ( $\bar{x} - \sigma < X_i < \bar{x} + \sigma$ ) are 4.
- Students with marks greater than the mean plus one standard deviation ( $\bar{x} + \sigma > X_i$ ) are 1.

Mathematics:

- Students with marks less than the mean minus one standard deviation ( $X_i < \bar{x} - \sigma$ ) are 0.
- Students with marks between the mean minus one standard deviation and the mean plus one standard deviation ( $\bar{x} - \sigma < X_i < \bar{x} + \sigma$ ) are 6.
- Students with marks greater than the mean plus one standard deviation ( $\bar{x} + \sigma > X_i$ ) are 2.

Natural Science



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- Students with marks less than the mean minus one standard deviation ( $X_i < \bar{x} - \sigma$ ) are 2.
- Students with marks between the mean minus one standard deviation and the mean plus one standard deviation ( $\bar{x} - \sigma < X_i < \bar{x} + \sigma$ ) are 8.
- Students with marks greater than the mean plus one standard deviation ( $\bar{x} + \sigma > X_i$ ) are 0.

**Physical Science:**

- Students with marks less than the mean minus one standard deviation ( $X_i < \bar{x} - \sigma$ ) are 1.
- Students with marks between the mean minus one standard deviation and the mean plus one standard deviation ( $\bar{x} - \sigma < X_i < \bar{x} + \sigma$ ) are 7.
- Students with marks greater than the mean plus one standard deviation ( $\bar{x} + \sigma > X_i$ ) are 3.

**Social Science:**

- Students with marks less than the mean minus one standard deviation ( $X_i < \bar{x} - \sigma$ ) are 1.
- Students with marks between the mean minus one standard deviation and the mean plus one standard deviation ( $\bar{x} - \sigma < X_i < \bar{x} + \sigma$ ) are 5.
- Students with marks greater than the mean plus one standard deviation ( $\bar{x} + \sigma > X_i$ ) are 1.

**CONCLUSION**

In the academic year 2021-22 at P. K. M College of Education, Madampam, student performance in various subjects exhibits a balanced distribution around the mean. English and Mathematics show a more centered distribution, while Natural Science and Physical Science have a broader spread. Overall, students perform well within one standard deviation of the mean.



  
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## REPORT OF STUDENTS CONSOLIDATED MARK DETAILS ACADEMIC YEAR 2021-22

### INTRODUCTION

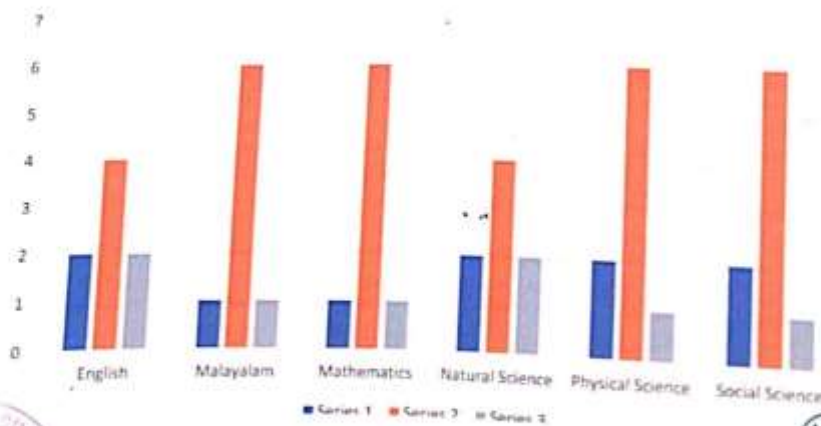
This report presents a comprehensive overview of the consolidated mark list for the university examinations of student teachers at P. K. M College of Education, Madampam, belonging to the academic year 2021-22. Focusing on each optional class, the analysis delves into the academic performance of the student teachers, shedding light on their achievements and areas for improvement. Through a meticulous examination of the individual marks, this report aims to provide valuable insights into the educational landscape, offering a nuanced understanding of the strengths and challenges within the specified cohort. The findings contribute to the ongoing efforts to enhance the quality of education and guide future pedagogical strategies.


### ANALYSIS

The marks obtained by the student teachers are categorised based on the mean and standard deviation of the collected data.

Optional	Mean ( $\bar{x}$ )	Standard Deviation ( $\sigma$ )	$X_i < \bar{x} - \sigma$	$\bar{x} - \sigma < X_i < \bar{x} + \sigma$	$\bar{x} + \sigma > X_i$
English	1133.625	101.977501	2	4	2
Malayalam	1138.875	86.41004819	1	6	1
Mathematics	1139.25	53.27489358	1	6	1
Natural Science	1145.75	63.81838069	2	4	2
Physical Science	1165.666667	49.51767361	2	6	1
Social Science	1120.666667	88.76795593	2	6	1

Chart Title



  
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English: Most students scored marks that were within 1 standard deviation of the mean. Only 2 students scored marks that were lower than 1 standard deviation of the mean ( $\bar{x} - \sigma$ ) and 2 students scored marks that were higher than 1 standard deviation of the mean ( $\bar{x} + \sigma$ ).

Malayalam: Similar to English, most students scored marks that were within 1 standard deviation of the mean. Only 1 student scored marks that were lower than 1 standard deviation of the mean ( $\bar{x} - \sigma$ ) and 1 student scored marks that were higher than 1 standard deviation of the mean ( $\bar{x} + \sigma$ ).

Mathematics: Again, most students scored marks that were within 1 standard deviation of the mean. Only 1 student scored marks that were lower than 1 standard deviation of the mean ( $\bar{x} - \sigma$ ) and 1 student scored marks that were higher than 1 standard deviation of the mean ( $\bar{x} + \sigma$ ).

Natural Science: A slightly higher number of students scored marks that were outside 1 standard deviation of the mean, compared to English, Malayalam and Mathematics. 2 students scored marks that were lower than 1 standard deviation of the mean ( $\bar{x} - \sigma$ ) and 2 students scored marks that were higher than 1 standard deviation of the mean ( $\bar{x} + \sigma$ ).


Physical Science: Most students scored marks that were within 1 standard deviation of the mean. Only 2 students scored marks that were lower than 1 standard deviation of the mean ( $\bar{x} - \sigma$ ) and 1 student scored marks that were higher than 1 standard deviation of the mean ( $\bar{x} + \sigma$ ).

Social Science: Similar to Physical Science, most students scored marks that were within 1 standard deviation of the mean. Only 2 students scored marks that were lower than 1 standard deviation of the mean ( $\bar{x} - \sigma$ ) and 1 student scored marks that were higher than 1 standard deviation of the mean ( $\bar{x} + \sigma$ ).

## CONCLUSION

Overall, the data suggests that the marks obtained by the student teachers were relatively evenly distributed, with most students scoring marks that were within 1 standard deviation of the mean for each subject. There were a few outliers in each subject, but these were not significant in number.



  
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**REPORT OF STUDENTS CONSOLIDATED MARK DETAILS**  
**ACADEMIC YEAR 2022-23**

**INTRODUCTION**

This report presents a comprehensive overview of the consolidated mark list for the university examinations of student teachers at P. K. M College of Education, Madampam, belonging to the batch 2021-23. Focusing on each optional class, the analysis delves into the academic performance of the student teachers, shedding light on their achievements and areas for improvement. Through a meticulous examination of the individual marks, this report aims to provide valuable insights into the educational landscape, offering a nuanced understanding of the strengths and challenges within the specified cohort. The findings contribute to the ongoing efforts to enhance the quality of education and guide future pedagogical strategies.

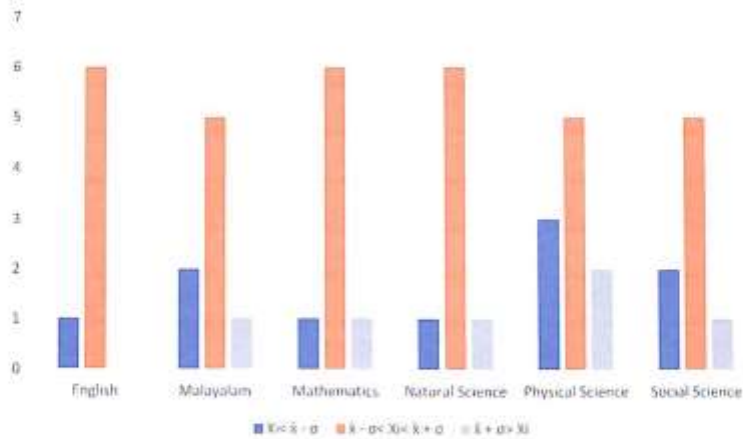
**ANALYSIS**

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English	1142.4285	87.5858	1	6	0
Malayalam	1073.5	83.1126	2	5	1
Mathematics	1138.75	68.0057	1	6	1
Natural Science	1162	56.1859	1	6	1
Physical Science	1146.3	40.1277	3	5	2
Social Science	1165.875	60.7040	2	5	1



  
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**English:**

- Marks below mean minus one standard deviation ( $X_i < \bar{x} - \sigma$ ): 1 student
- Marks within one standard deviation below and above the mean ( $\bar{x} - \sigma < X_i < \bar{x} + \sigma$ ): 6 students
- Marks above mean plus one standard deviation ( $\bar{x} + \sigma > X_i$ ): 0 students

**Malayalam:**

- Marks below mean minus one standard deviation ( $X_i < \bar{x} - \sigma$ ): 2 students
- Marks within one standard deviation below and above the mean ( $\bar{x} - \sigma < X_i < \bar{x} + \sigma$ ): 5 students
- Marks above mean plus one standard deviation ( $\bar{x} + \sigma > X_i$ ): 1 student

**Mathematics:**

- Marks below mean minus one standard deviation ( $X_i < \bar{x} - \sigma$ ): 1 student
- Marks within one standard deviation below and above the mean ( $\bar{x} - \sigma < X_i < \bar{x} + \sigma$ ): 6 students
- Marks above mean plus one standard deviation ( $\bar{x} + \sigma > X_i$ ): 1 student

**Natural Science:**

- Marks below mean minus one standard deviation ( $X_i < \bar{x} - \sigma$ ): 1 student
- Marks within one standard deviation below and above the mean ( $\bar{x} - \sigma < X_i < \bar{x} + \sigma$ ): 6 students
- Marks above mean plus one standard deviation ( $\bar{x} + \sigma > X_i$ ): 1 student



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**Physical Science:**

- Marks below mean minus one standard deviation ( $X_i < \bar{x} - \sigma$ ): 3 students
- Marks within one standard deviation below and above the mean ( $\bar{x} - \sigma < X_i < \bar{x} + \sigma$ ): 5 students
- Marks above mean plus one standard deviation ( $\bar{x} + \sigma > X_i$ ): 2 students

**Social Science:**

- Marks below mean minus one standard deviation ( $X_i < \bar{x} - \sigma$ ): 2 students
- Marks within one standard deviation below and above the mean ( $\bar{x} - \sigma < X_i < \bar{x} + \sigma$ ): 5 students
- Marks above mean plus one standard deviation ( $\bar{x} + \sigma > X_i$ ): 1 student

**CONCLUSION**

- The majority of students in each subject fall within one standard deviation of the mean.
- English optional has no students with marks above one standard deviation from the mean.
- Physical Science optional has a notable number of students with marks below one standard deviation from the mean.
- The distribution in most subjects is relatively balanced around the mean, indicating a somewhat normal distribution of marks.



A handwritten signature in black ink, appearing to be "J. S. S.", written over the printed name "Principal".

**Principal**  
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