

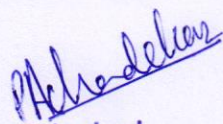
# **PO, CO Analysis**

## **Mapping and analysis of COs, POs**

### **CO - PO Mapping matrix**

#### **Mapping of COs, POs**

The process of attainment of COs, POs starts from writing appropriate COs for each course in the Three degree program, which include one year of internship. As all programs is regulated by the Indian Nursing Council of India, COs, POs and PSOs are defined by it. Based on this, course outcomes are refined by the respective faculty members of the course using action verbs of learning levels as suggested by Bloom Taxonomy. Then, a correlation is established between COs and POs and COs and PSOs on the scale of 0 to 3 ('0' being no correlation, 1 being the low correlation, 2 being medium correlation and 3 being high correlation) based on their perception. The average score is calculated and is correlated with the courses as a whole not individually. Mapping matrix of COs-PSOs is prepared at the institute level in this regard for all courses in the program

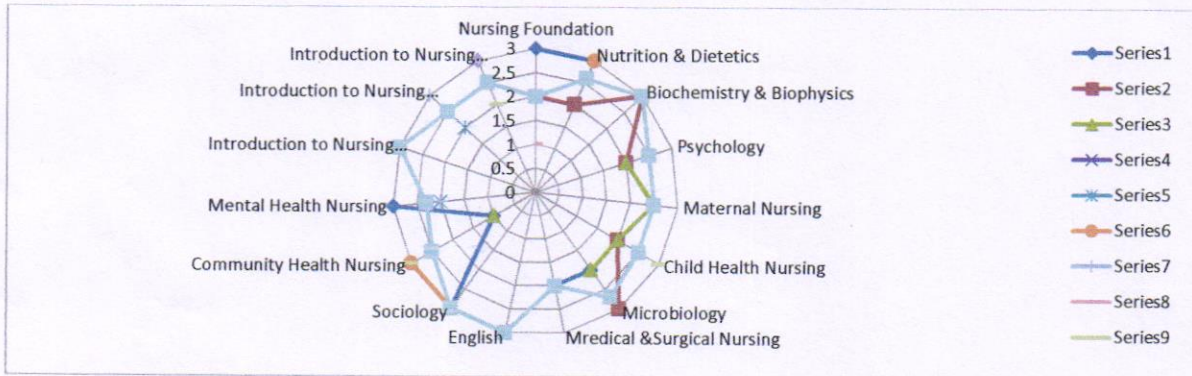
  
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## Post Basic B.Sc. Nursing programme -PO & CO outcome Analysis

Year	Course	Po1	Po2	Po3	Po4	Po5	Po6	Po7	Po8	Po9	Po10	Average
First Year	Nursing Foundation	3	2						1			2
	Nutrition & Dietetics	3	2				3					2.6
	Biochemistry & Biophysics		3									3
	Psychology	2	2	2								2.5
	Maternal Nursing		2.5	2.5								2.5
	Child Health Nursing	2	2	2						3		2.5
	Microbiology	2	3	2								2.7
	Medical &Surgical Nursing	2										2
	English				3							3
Second Year	Sociology	3					3					3
	Community Health Nursing	1		1			3			3		2.5
	Mental Health Nursing	3				2		2				2.3
	Introduction to Nursing Education						3				3	3
	Introduction to Nursing Administration					2		3				2.5
	Introduction to Nursing Research and Statistics									2	3	2.5
		2.3	2.3	1.9	3	2	3	2.5	1	2.6	2	2.5

(0 - no correlation; 1 - low correlation; 2 - medium correlation; 3 - high correlation)

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Rader graph depicting correlation of program Specific objective & course outcome  
(0 - no correlation; 1 - low correlation; 2 - medium correlation; 3 - high correlation)

#### Analysis of COs, POs and PSOs

On analyzing, the average score of individual program outcome ranges from 2.7 to 3. It shows, there exist a strong correlation of all COs with that of PSO, whereas medium correlation between Cos and PSO. Similarly, on analyzing, the average score of individual program educational objective outcome ranges from 2.7 to 3. It shows there exist a strong correlation of all COs with that of PSO.

#### Attainment level and score of POs and COs

##### Program Attainment level

Attainment level of program is based on the pass percentage of the course in each subject. As per MUHS passing criteria 50% is the minimum marks to declare the student pass. Accordingly

- 1) Attainment Level 3 (Above 70%) marks out of the maximum relevant marks.
- 2) Attainment Level 2 (60-69%) marks out of the maximum relevant marks.
- 3) Attainment Level 1 (50-60%) marks out of the maximum relevant marks.
- 4) Attainment Level 0 (<50%) marks out of the maximum relevant marks.

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**P.B B.Sc. Nursing**

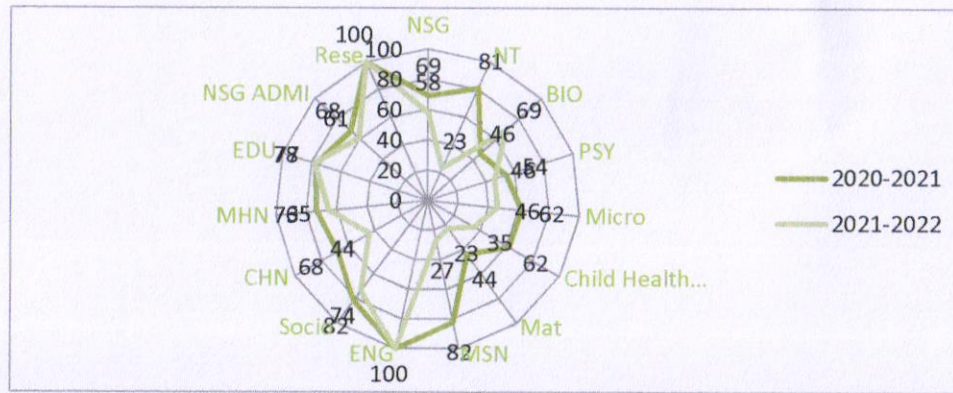
Year	NSG	NT	BIO	PSY	Micro	Child Health Nursing	Mat	MSN	ENG	Socio	CHN	MHN	EDU	NSG ADMI	Rese	Attainment level
2020-2021	69	81	46	54	62	62	44	82	100	82	68	73	77	68	100	3
2021-2022	58	23	69	46	46	35	23	27	100	74	44	65	78	61	100	3

**Program Attainment Score**

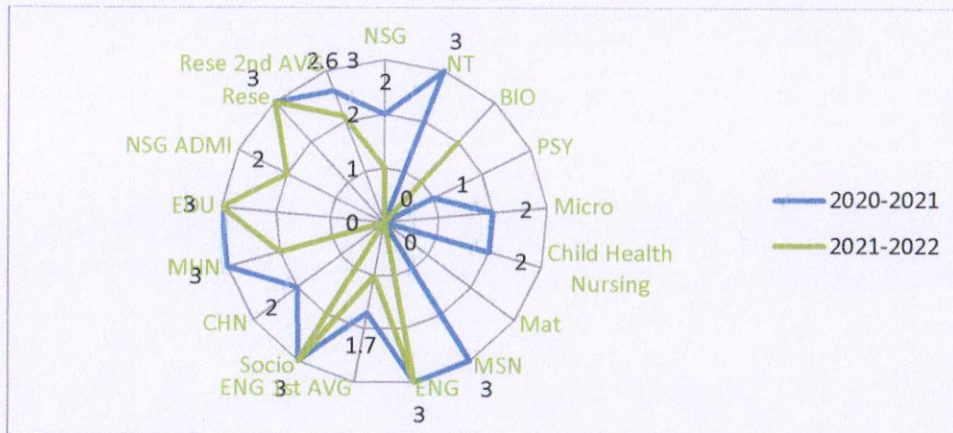
Year	NSG	NT	BIO	PSY	Micro	Child Health Nursing	Mat	MSN	ENG	1 <sup>st</sup> AVG	Socio	CHN	MHN	EDU	NSG ADMI	Rese	2 <sup>nd</sup> AVG	Attainment level
2020-2021	2	3	0	1	2	2	0	3	3	1.7	3	2	3	3	2	3	2.6	3
2021-2022	1	0	2	0	0	0	0	0	3	1	3	0	2	3	2	3	2.1	3

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**Programme Attainment Score 1<sup>st</sup> P.B B.Sc. Nursing-2020-2021 To 2021-2022**



**Programme Attainment Score 2<sup>nd</sup> P.B B.Sc. Nursing-2020-2021 To 2021-2022**



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## Course Attainment Score

Attainment of Course Assessment is based on the pass percentage of each course in year. To obtain attainment Score of course summative assessment marks of individual students is considered. The components of summative assessments are internal assessment marks theory practical university examination theory practical .consolidated marks obtain in a course, individual students is given a score 3 >70%, 2 61-70%, 1 50-59% ,0 >50% . All the score in that course added and divided by total no of Students appear for the course. The obtain result considered as course attainment Score

Year	NSG	NT	BIO	PSY	Micro	Child Health Nursing	Mat	MSN	ENG	Socio	CHN	MHN	EDU	NSG ADMI	Rese	Attainment level
2020-2021	1.3	1.8	1	1	1.2	1.6	1.6	1.8	1.6	1.8	1.5	2.2	1.7	1.2	3	3
2021-2022	0.8	1.4	0.1	1	1	1	1.6	1.2	2.1	1.6	1.7	2	1.6	1.3	2.5	3

**Conclusion-** Going by Analysis of Program Outcome Course Outcome and Attainment score of them. We can conclude that it is achieved to a satisfactory level

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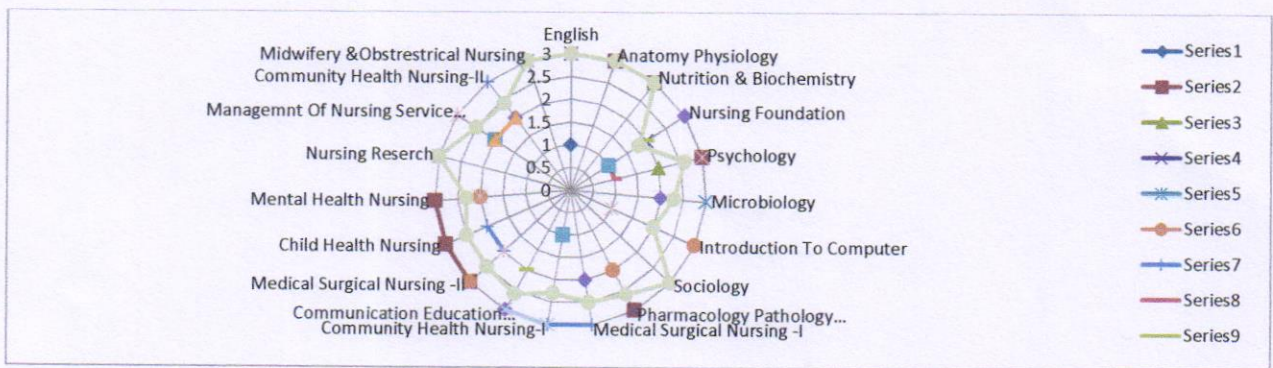
### Basic B.Sc. Nursing programme -PO & CO outcome Analysis

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	Average
English			3					3						3
Anatomy Physiology	3		3											3
Nutrition & Biochemistry	3	3		3										3
Nursing Foundation			2				1	2	3	1				1.8
Psychology	3	2					1						3	2.6
Microbiology				3		2			2					2.3
Introduction To Computer					3								1	2
Sociology								3	3					3
Pharmacology Pathology & Genetics	3		3		2									2.6
Medical Surgical Nursing -I						3			2					2.5
Community Health Nursing-I						3				1		3		2.3
Communication Education Technology								2	3			3		2.6
Medical Surgical Nursing -II	3				3	2							2	2.5
Child Health Nursing	3					2								2.5
Mental Health Nursing	3				2								2	2.3
Nursing Research		3										3		3
Management Of Nursing Service & Administration				3						2	2		3	2.5
Community Health Nursing-II						3			2		2			2.4
Midwifery & Obstetrical Nursing			3	3										3
	21	8	14	12	10	15	2	10	15	4	4	9	11	48.9

(0 - no correlation; 1 - low correlation; 2 - medium correlation; 3 - high correlation)

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Rader graph depicting correlation of program Specific objective & course outcome  
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On analyzing, the average score of individual program outcome ranges from 2.8 to 3. It shows, there exist a strong correlation of all COs with that of PSO, whereas medium correlation between Cos and PSO. Similarly, on analyzing, the average score of individual program educational objective outcome ranges from 2.8 to 3. It shows there exist a strong correlation of all COs with that of PSO.

#### Attainment level and score of POs and COs

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Year	ENG	ANT	Nut	NFON	PSY	MIC	COPM	Soci	PPH	MSN-I	CHN-I	CET	MSN-II	CHN	MHN	Rese	MAG	CHN-II	MIDWI	REAS	Attai level
2020-2021	100	68	74	74	60	68	100	77	51	72	77	84	97	79	21	-	90	96	62	100	3
2021-2022	100	32	50	50	78	27	100	80	55	76	92	81	63	75	86	74	82	76	91	100	3

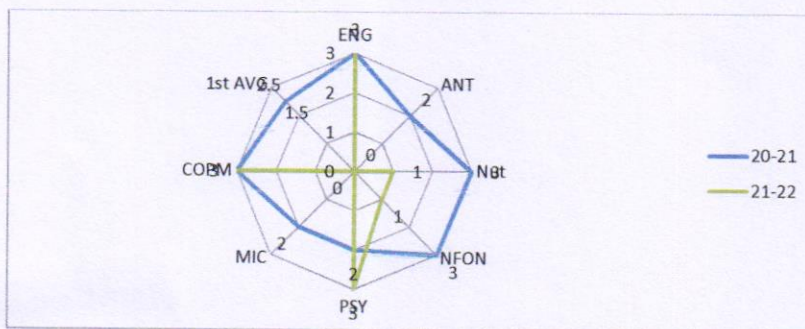
Program Attainment Score

Year	ENG	ANT	Nut	NFON	PSY	MIC	COPM	1 <sup>st</sup> AVG	Soci	PPH	MSN-I	CHN-I	CET	2 <sup>nd</sup> AVG	MSN-II	CHN	MHN	Rese
20-21	3	2	3	3	2	2	3	2.5	3	1	3	3	3	2.6	3	3	0	-
21-22	3	0	1	1	3	0	3	1.5	3	1	3	3	3	2.6	2	3	3	3

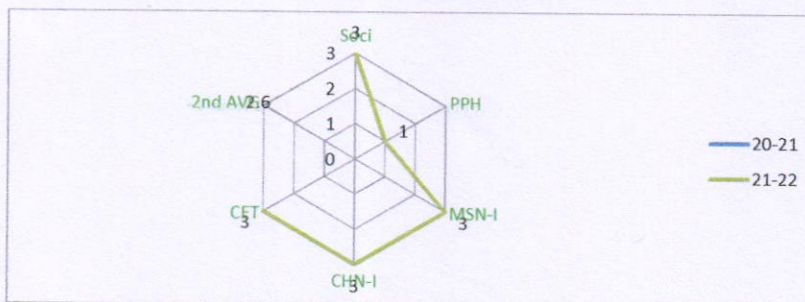
3 <sup>rd</sup> AVG	MAG	CHN-II	MIDWI	REAS	4 <sup>th</sup> AVG	Attainment level
2	3	3	2	3	2.7	3
2.7	3	3	3	3	3	3

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Programme Attainment Score 1<sup>st</sup>.B B.Sc. Nursing-2020-2021 To 2021-2022

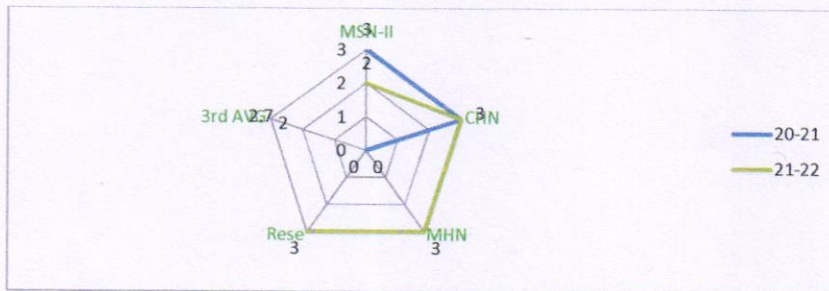


Programme Attainment Score 2<sup>nd</sup>.B B.Sc. Nursing-2020-2021 To 2021-2022

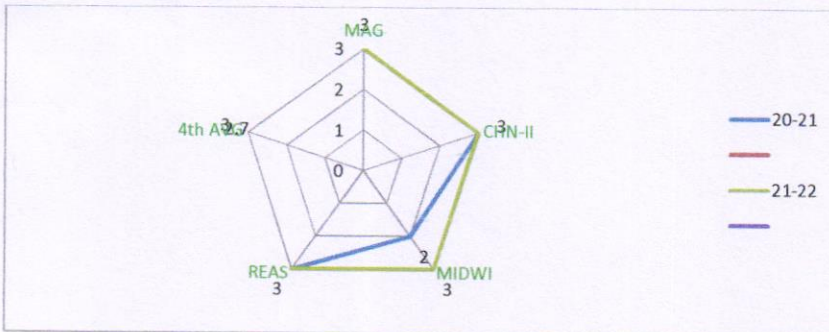


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**Programme Attainment Score 3<sup>rd</sup> .B B.Sc. Nursing-2020-2021 To 2021-2022**



**Programme Attainment Score 4<sup>th</sup> .B B.Sc. Nursing-2020-2021 To 2021-2022**



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20-21	2.7	0.9	1.3	1.2	1	1.2	2.3	1.5	1	1.7	1.6	1.1	1.7	1.8	1.7	-	1.9	2.2	1.4	3	3
21-22	3	0.6	0.9	1.7	0.9	0.4	3	1.7	1	2.2	1.9	1.5	1.9	1.8	2.3	1.5	1.7	2.3	2.4	-	3

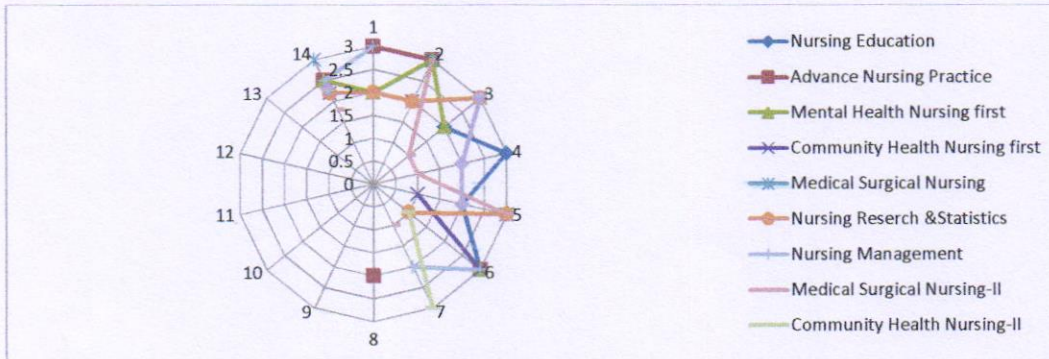
**Conclusion-** Going by Analysis of Program Outcome Course Outcome and Attainment score of them. We can conclude that it is achieved to a satisfactory level

### M.Sc. Nursing programme -PO & CO outcome Analysis (Post Graduate Program)

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	Average
Nursing Education			2	3	2	3								2.5
Advance Nursing Practice	3	3				3		2						2.5
Mental Health Nursing first	2	3	2			3								2.5
Community Health Nursing first		2	3		1	3								2.2
Medical Surgical Nursing		3			3									3
Nursing Research & Statistics	2	2	3		3	1								2.2
Nursing Management	3			2		3	2							2.5
Medical Surgical Nursing-II		3	1	1	3		1							1.8
Community Health Nursing-II			3			1	3							2.3
Mental Health Nursing-II			3	2	2									2.3

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Rader graph depicting correlation of program Specific objective & course outcome  
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Year	CHN	EDU	ANP	MSN	MHN	RESE	CHN	MHN	MSN	ADMI	DISER	Attain Level
2020-2021	100	100	100	100	100	87	100	100	100	100	72	3
2021-2022	50	50	100	50	0	25	90	100	17	100	87	3

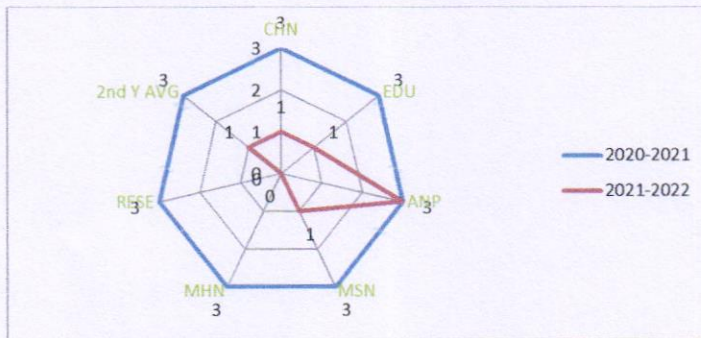
**Program Attainment Score**

Year	CHN	EDU	ANP	MSN	MHN	RESE	2 <sup>nd</sup> Y AVG	CHN	MHN	MSN	ADMI	DISER	2 <sup>nd</sup> Y AVG	Attain Level
2020-2021	3	3	3	3	3	3	3	3	3	3	3	3	3	3
2021-2022	1	1	3	1	0	0	1	3	3	0	3	3	2.4	3

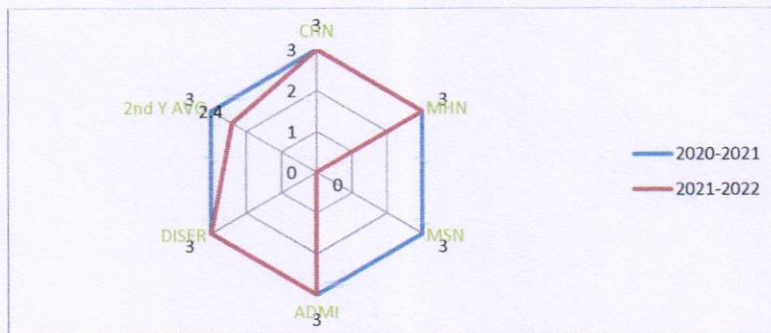
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**Programme Attainment Score 1<sup>st</sup> .M.Sc. Nursing-2020-2021 To 2021-2022**



**Programme Attainment Score 2<sup>nd</sup> .M.Sc. Nursing-2020-2021 To 2021-2022**



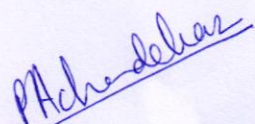
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Year	CHN	EDU	ANP	MSN	MHN	RESE	CHN	MHN	MSN	ADMI	DISER	Attain Level
2020-2021	3	2.3	1.8	2.6	2.7	1.7	2.6	2.3	2.3	1.9	2.7	3
2021-2022	2.3	0.5	1.1	2	-	0.2	3	2.6	2.8	2	2.7	3

**Conclusion-** Going by Analysis of Program Outcome Course Outcome and Attainment score of them. We can conclude that it is achieved to a satisfactory level

  
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