

NATIONAL BOARD OF ACCREDITATION

Compliance Report Format (Diploma Engineering)

PART- A: Institutional Information

(to be filled only once for all the programs under consideration)

A1. Name and Address of the College: - Khelhoshe Polytechnic Atoizu

City: - ZUNHEBOTO

State: - NAGALAND

Pin Code: - 798620

Phone No (including STD Code):- 9615770566

Fax

Website: - <https://kpanagaland.org.in/>

E-mail: - principalkpa22@gmail.com

A2. Year of Establishment: - 1972

A3. First Approval Letter No.:

Date:13 March 1994

A4. Head of the Institution: -

Name: - Neisekho Chaya

Designation: - Principal

Nature of Appointment: - Regular

Phone No: -

Mobile: -9615770566

E-mail: - principalkpa22@gmail.com

Fax No: -

A5. Name and Address of the Affiliating University: - State Council for Technical Education (SCTE)

City: - Kohima

State: - Nagaland

Pin Code: - 797001

Website: - dtenagaland@gmail.com

E-mail: - dtenagaland@gmail.com

Phone No (Including STD Code):- 0370 2270416/ 0370 2271177

A6. Type of the Institution:

University

Deemed University

Autonomous

Affiliated

Any Other (Please Specify)

A7. Ownership Status:Central Government State Government Government Aided Self-financing

*Provide Details:

Trust Society Section 25 Company *Any Other (Please specify)

A8. Other Academic Institutions of the Trust/Society/etc., if any:

Name of the Institution	Year of Establishment	Programs of Study	Location
NA	NA	NA	NA

Note: Add rows as required.**A9. Accreditation History**

S.No.	Name of the Department	Name of the Program	Year of 1 st Accreditation (if applicable)	Year of 2 nd Accreditation (if applicable)	Year of 3 rd Accreditation (if applicable)
1.	Technical Education	Mechanical Engineering	2021	NA	NA
2.	Technical Education	Civil Engineering	2021	NA	NA
3.	Technical Education	Electrical & Electronics Engg.	2021	NA	NA

A 10. Students Admissions (In First year at institute level)For all diploma Programs

Item	CAY (2023-24)	CAYm1 (2022-23)	CAYm2 (2021-22)
Sanctioned intake	150	150	150
Number of students admitted	94	68	104
Total Admitted/Sanctioned Intake= % Admitted	62.7	45.3	69.3
Average % Admitted	59.1		

CAY: Current Academic Year**CAYm1:** Current Academic Year minus1= Current Assessment Year**CAYm1:** Current Academic Year minus 2= Current Assessment Year minus1**Note:** Academic year is typically July last year to June next year

A11. Student Admission details at Lateral Entry/Separate Division

Item	CAY	CAYm1	CAYm2
Number of students admitted through Lateral Entry	NA	NA	NA
Number of students admitted through Separate Division	NA	NA	NA
Total Number of students admitted in the second year	NA	NA	NA

Note: Provide student details of the second shift (if applicable)

A12.Total number of employees in the institution:

A. Regular Employees (Faculty and Staff):

Items		CAY		CAYm1		CAYm2	
		Min	Max	Min	Max	Min	Max
Faculty in Engineering & Technology	M	8	8	8	8	7	7
	F	2	2	2	2	2	2
Faculty in Sciences & Humanities	M	3	3	4	4	4	4
	F	2	2	3	3	3	3
Non-teaching staff	M	28	28	28	28	29	29
	F	7	7	7	7	7	7
Workshop & Lab	M	17	17	18	18	19	19
	F	5	5	5	5	5	5

B. Contractual Staff Employees (Faculty and Staff): (Not covered in Table A):

Items		CAY		CAYm1		CAYm2	
		Min	Max	Min	Max	Min	Max
Faculty in Engineering & Technology	M	1	1	1	1	6	6
	F	NIL	NIL	NIL	NIL	NIL	NIL
Faculty in Sciences & Humanities	M	1	1	1	1	NIL	NIL
	F	NIL	NIL	NIL	NIL	1	1
Non-teaching staff	M	8	8	10	10	10	10
	F	9	9	13	13	13	13

Note: Specify the reason if there is drop in number of faculty members during the specified academic years. Provide Faculty details of the second shift (if applicable)

All the faculty whether regular or contractual (except part-time or hourly based), will be considered. The contractual faculty appointed with any terminology whatsoever, who have taught for 2 consecutive semesters with or without break between the 2 semesters in corresponding academic year on full-time basis shall be considered for the purpose of calculation in the faculty student ratio. However, following

will be ensured in case of contractual faculty:

1. *Shall have the AICTE prescribed qualifications and experience.*
2. *Shall be appointed on full time basis and worked for consecutive two semesters with or without breakbetween the 2 semesters during the particular academic year under consideration.*
3. *Should have gone through an appropriate process of selection and the records of the same shall be madeavailable to the visiting team during NBA visit*

A13. Provide separate Information for each of the program(s) for which compliance is to be submitted

Name of the program to be considered	Year of Start	Intake	Increase in intake, if any	Year of increase	AICTE Approval	Accreditation Status*
Mechanical Engineering	1972	15	30	2002	Yes	Granted provisional accreditation for 3 Academic Years (2021-2024)
Civil Engineering	1972	60	-	-	Yes	Granted provisional accreditation for 3 Academic Years (2021-2024)
Electrical & Electronics Engineering	1972	15	30	2002	Yes	Granted provisional accreditation for 3 Academic Years (2021-2024)

* **Write applicable one:**

- Granted provisional accreditation for two /three years for the period (specify period)
- Granted accreditation for 5 / 6 years for the period (specify period)
- Not accredited (specify visit dates, year)
- Withdrawn (specify visit dates, year)
- Not eligible for accreditation
- Eligible but not applied

PART B- Program Information

B1. Name of the Program: Mechanical Engineering

B2. Faculty Information and Contributions

Please provide the list of faculties in the program according to the below format as Appendix separate for all the years under consideration.

CAY (2023-24)

Name of faculty member	Qualification	University and year of Graduation	Designation	Date of Joining	Distribution of Teaching Load (%)			Academic Research		Year of experience	Nature of Association (Regular/Contract)	Date of Leaving
					a	b	c	Research Paper Publication	Faculty Receiving M.Tech/ Ph.D. during the Assessment Year			
Pavito V Yephthomi	B.E Mechanical	V.T.U. Karnataka & 2012	HOD	19-11-2014	100			NIL	Yes	9.5	Regular	
Ranjan Kumar Prasad	B. Tech Mechanical	APJ Abdul Kalam Technological University, Kerala & 2019	Lecturer	25-10-2023	60			NIL	YES	4M	Regular	
Manu Chiero	B.E. Mechanical	V.T.U. Karnataka & 2018	Lecturer	7/10/2023	60			NIL	YES	4M	Regular	
T Chubasangla Jamir	B. Tech Mechanical	Narsee Monjee Institute of Management Studies and 2021	Lecturer	23-02-2022	40			NIL	NIL	1.5	Contract	5/10/2023
Tepulu Paul Richa	B. Tech Mechanical	V.T.U. Karnataka & 2016	Lecturer	23-02-2022	40			NIL	NIL	1.5	Contract	5/11/2023
Jandeno Jami	M.A (English)	Hyderabad University, 2015	Lecturer	24-06-2020		20		NIL	NIL	4	Regular	

Mankup K	B. Tech (CSE)	Indian Institute of Information Technology Pune	Lecturer	7/10/2023		20	NIL	NIL	4M	Regular	
N Chongkei	B. Tech	Nagaland University and 2015	Lecturer	24/06/2020		20	NIL	NIL	4	Regular	5/10/2023
Vesatolu Tenenu	MA English	Nagaland University and 2020	Lecturer	23/02/2022		20	NIL	NIL	1	Contract	30/08/2023
Akruse Kruse	M.Sc. Maths	Pondicherry University	Lecturer	23-08-2023		20	NIL	NIL	6	Contract	
Sachumo Y Ngullie	M.Sc. Physics	HNBGU and 2015	Lecturer	2/1/2023		20	NIL	NIL	4	Regular	
Melevolu Thisa	M.Sc. Chemistry	NU Lumami, 2016	Lecturer	24-06-2020		20	NIL	NIL	4	Regular	
Lhutu Keyho	M.A (English)	NEHU and 2014	Lecturer	7/10/2023		20	NIL	NIL	4M	Regular	

CAY (2022-23)

Name of faculty member	Qualification	University and year of Graduation	Designation	Date of Joining	Distribution of Teaching Load (%)			Academic Research		Year of experience	Nature of Association (Regular/Contract)	Date of Leaving
					a	b	c	Research Paper Publication	Faculty Receiving M.Tech/ Ph.D. during the Assessment Year			
Melevolu Thisa	M.Sc. Chemistry	N U Lumami, 2016	Lecturer	24-06-2020		20		NIL	NIL	3	Regular	
Jandeno Jami	M.A (English)	Hyderabad University, 2015	Lecturer	24-06-2020		20		NIL	NIL	3	Regular	
Mohan Kumar	Diploma Mechanical	K.T.E.B, Kerala	Asst. Lecturer	21-04-1988	100			NIL	NIL	32	Regular	31/03/2023
Tepulu Paul Richa	B. Tech Mechanical	V.T.U. Karnataka & 2016	Lecturer	23-02-2022	100			NIL	NIL	1	Contract	
T Chubasangla Jamir	B. Tech Mechanical	Narsee Monjee Institute of Managament Studies and 2021	Lecturer	23-02-2022	100			NIL	NIL	1	Contract	
Pavito V Yephomi	B. Tech Mechanical	V.T.U. Karnataka & 2012	HOD	19-11-2014	100			NIL	Yes	8.2	Regular	

Vesatolu Tenenu	MA English	Nagaland University and 2020	Lecturer	23/02/2022		20		NIL	NIL	6M	Contract	
A. Mandal	B.Sc. Maths	B.U WB & 1986	Asst. Lecturer	21-05-1988		10		NIL	NIL	32	Regular	30/04/2023
N Chongkei	B. Tech	Nagaland University and 2015	Lecturer	24/06/2020		20		NIL	NIL	3	Regular	
Sachumo Y Ngullie	M.Sc. Physics	HNBGU and 2015	Lecturer	2/1/2023		20		NIL	NIL	3	Regular	

CAY (2021-22)

Name of faculty member	Qualification	University and year of Graduation	Designation	Date of Joining	Distribution of Teaching Load (%)			Academic Research		Year of experience	Nature of Association (Regular/Contract)	Date of Leaving
					a	b	c	Research Paper Publication	Faculty Receiving M.Tech/ Ph.D. during the Assessment Year			
V. Julia Achumi	B. Tech Mechanical	KU, Kerala & 2005	HOD	23-02-2009	100			NIL	NIL	10	Regular	
Vizekhol Rhutso	B. Tech Mechanical	MGU, Kerala & 2005	Sr. Lecturer	23-02-2009	100			NIL	NIL	10	Regular	
Pavito V Yepthomi	B. Tech Mechanical	V.T.U. Karnataka & 2012	Lecturer	19.11.2014	100			NIL	NIL	4	Regular	
Mohan Kumar	Diploma Mechanical	K.T.E.B, Kerala	Asst. Lecturer	21-04-1988	100			NIL	NIL	31	Regular	
Jandeno Jami	M.A (English)	Hyderabad University, 2015	Lecturer	24-06-2020		20		NIL	NIL	9 months	Regular	

N Chonkei	B. Tech (CSE)	SET, N.U, 2015	Lecturer	24-06-2020		20		NIL	NIL	9 months	Regular
A. Mandal	B.Sc. Maths	B.U WB & 1986	Asst. Lecturer	21-05-1988		10		NIL	NIL	31	Regular
Dr. L. Mehta	M.Sc. Maths		Lecturer	4/10/1994		10		NIL	NIL	25	Regular
Petesetuo	M.Sc. Physics	NEHU, 2010	Lecturer	24-06-2020		20		NIL	NIL	9 months	Regular
Melevolu Thisa	M.Sc. Chemistry	N U Lumami, 2016	Lecturer	24-06-2020		20		NIL	NIL	9 months	Regular
Shinglong Konyak	M.A (English)	N. U, 2016	Lecturer	24-06-2020		20		NIL	NIL	9 months	Regular

B.2.1. Student Faculty Ratio (No. of Faculty as per the sanctioned intake):-

S: F ratio = N/F; F = No. of faculty = (a + b) for every assessment year

a : Faculty of the specific program/ department considering fractional load

b: Faculty serving this program from another Program/ department considering fractional load:

Faculty of this program serving other program/ department considering fractional load

Note: Fractional load calculation

1. Faculty taking physics course is having 50% of allocated load of first year civil engineering students, 25% load of first year mechanical engineering and 25% load of electrical engineering then the fractional load contribution will be 0.50 for civil

engineering, 0.25 each for mechanical and electrical engineering.

2. Similarly, fractional load to be calculated for inter department/program workload distribution.

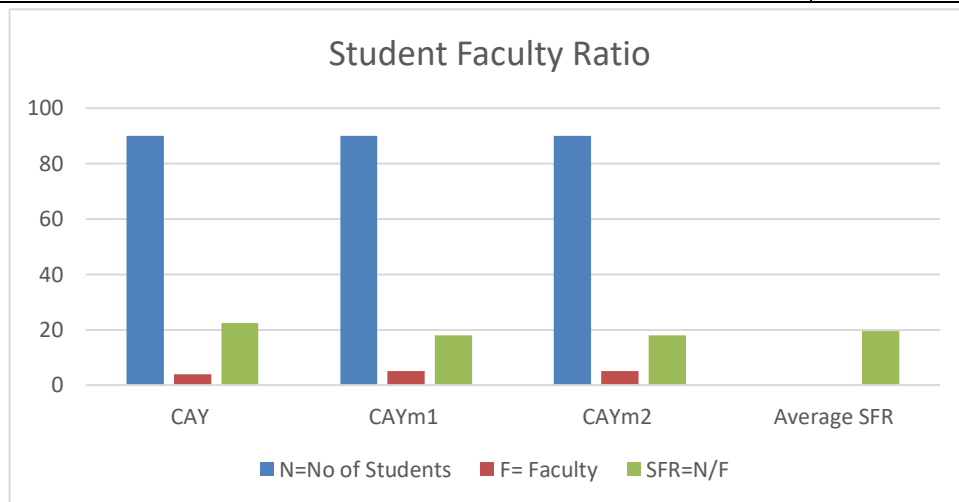
Note: All the faculty whether regular or contractual (except part-time or hourly based), will be considered. The contractual faculty appointed with any terminology whatsoever, who have taught for 2 consecutive semesters with or without break between the 2 semesters in corresponding academic year on full-time basis shall be considered for the purpose of calculation in the faculty student ratio.

However, following will be ensured in case of contractual faculty:

1. Shall have the AICTE prescribed qualifications and experience.
2. Shall be appointed on full time basis and worked for consecutive two semesters with or without break between the 2 semesters during the particular academic year under consideration.
3. Should have gone through an appropriate process of selection and the records of the same shall be made available to the visiting team during NBA visit.

$N = \text{No. of students} = \text{Sanctioned Intake} + \text{Actually admitted lateral entry students}$

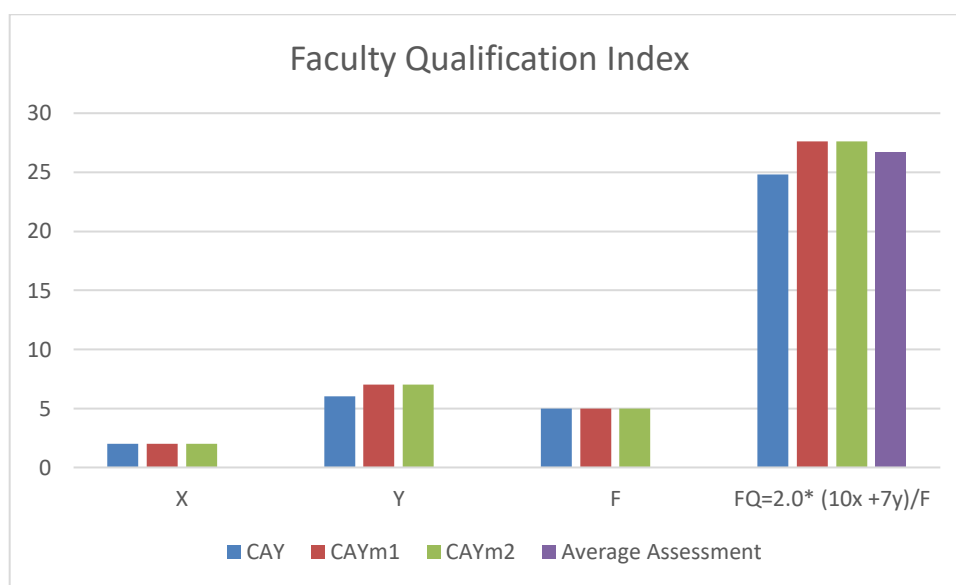
Year	N	F	SFR=N/F
CAY	$30 + 30 + 30 = 90$	$3 + 1 = 4$	22.5
CAYm1	$30 + 30 + 30 = 90$	$4 + 1 = 5$	18
CAYm2	$30 + 30 + 30 = 90$	$4 + 1 = 5$	18
Average SFR			19.5



B2.2 Faculty Qualification Index

$FQ = 2.0 * (10x + 7y) / F$ where x is no. of faculty with M.Tech. (in case of humanities and science M.Phil./Ph.D.) and y is no. of faculty with B.Tech. (In case of humanities and science MA/M.sc), F is no. of faculty required to comply 1:25 Faculty Student Ratio.

Years	X	Y	F	$FQ=2.0 * (10x + 7y) / F$
CAY	2	6	5	24.8
CAY _{m1}	2	7	5	27.6
CAY _{m2}	2	7	5	27.6
Average Assessment				26.7



B2.3. Faculty Retention

No. of regular faculty members in CAY_{m2}=10 CAY_{m1}=10 CAY=9

Year	Percentage retained	% age
CAY	9	90
CAY _{m1}	10	100
Average Faculty Retention		95%

B2.4. Faculty as participants in Faculty development/training activities/STTPs

Name of the Faculty	Details of the participation (Faculty development/training activities/STTPs)		
	CAY	CAYm1	CAYm2
PAVITO V YEPTHOMI	6	1	1
RANJAN KUMAR PRASAD	2	NA	NA
MANU CHIERO	2	NA	NA

B.2.4. a Organized/ Conducted FDPs and STTP by this department at State / National Level

- Two days CAD workshop was conducted from 1-2 April 2023 by the faculties and students of Mechanical Department.
- Under PMKVY 4.0, a **Short-Term Training (STT)** was conducted by the department during May to July 2023. The Job roles for which training was imparted are as follows:
 - Automotive Mechanist (NSQF Level-3)
 - Four-Wheeler Service Technician (NSQF Level 4)



B.3. Students' Performance

B3.1. Intake Information

CAY – Current Academic Year

CAYm1- Current Academic Year minus1= Current Assessment Year

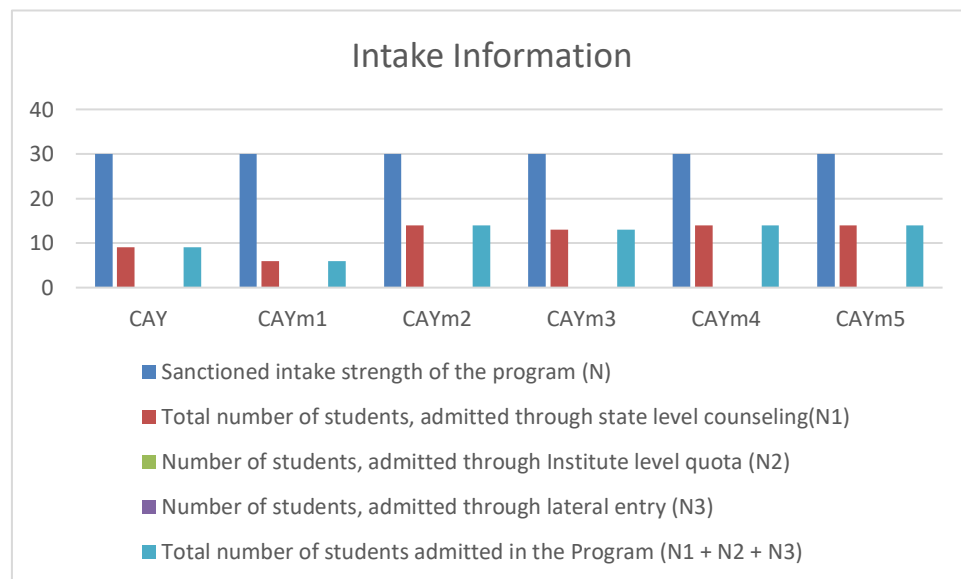
CAYm2 - Current Academic Year minus2=Current Assessment Year minus 1

Item	CAY (2023-24)	CAYm1 (2022-23)	CAYm2 (2021-22)	CAYm3 (2020-21)	CAYm4 (2019-20)	CAYm5 (2018-19)
Sanctioned intake strength of the program (<i>N</i>)	30	30	30	30	30	30
Total number of students, admitted throughstate level counseling(<i>N1</i>)	9	6	14	13	14	14
Number of students, admitted through Institute level quota (<i>N2</i>)	0	0	0	0	0	0
Number of students, admitted through lateral entry (<i>N3</i>)	0	0	0	0	0	0
Total number of students admitted in the Program (<i>N1 + N2 + N3</i>)	9	6	14	13	14	14

CAYm3 - Current Academic Year minus3=Current Assessment Year minus 2

CAYm4 - Current Academic Year minus4=Current Assessment Year minus 3

CAYm5 - Current Academic Year minus5=Current Assessment Year minus 4



B3.2. Academic Performance Table

B3.2.a. Success rate without backlogs in any year of study

Year of entry	N1 + N2 + N3 (As defined above)	Number of students who have successfully graduated without backlogs in any semester/year of study (Without Backlog means no compartment or failures in any semester/year of study)		
		I Year	II Year	III Year
CAY (2023-24)	9			
CAYm1 (2022-23)	6	0		
CAYm2 (2021-22)	14	0	1	
CAYm3,LYG (2020-21)	13	5	2	3
CAYm4,LYGm1 (2019-20)	14	0	5	0

B3.2.b. Success rate with backlog in stipulated period of study

Year of entry	N1 + N2 + N3 (As defined above)	Number of students who have successfully graduated (Students with backlog in stipulated period of study)		
		I Year	II Year	III Year
CAY	9			
CAYm1	6	6		
CAYm2	14	11	9	
CAYm3 (LYG)	13	8	6	3
CAYm4 (LYGm1)	14	14	9	4

B3.3. First Year Academic Performance

*Academic Performance Level = 2.5 * Average API*

API = ((Mean of 1st Year Grade Point Average of all successful Students on a 10 point scale) or (Mean of the percentage of marks of all successful students in First Year/ 10)) x (successful students/number of students appeared in the examination).

Successful students are those who are permitted to proceed to the second year

Academic Performance	CAYm1 (2020-23)	CAYm2 (2019-22)	CAYm3 (2018-21)
Mean of CGPA or Mean Percentage of all successful students (X)	66.2	68.8	70.1
Total no. of successful students (Y)	11	5	3
Total no. of students appeared in the examination (Z)	13	10	14
API = (X/10)* (Y/Z)	5.6	3.44	1.50
Average API = (AP1 + AP2 + AP3)/3	3.51		

$$\begin{aligned} \text{Academic Performance Level} &= 2.5 * 3.51 \\ &= \mathbf{8.78} \end{aligned}$$

B3.4. Academic Performance in Second Year

*Academic Performance Level = 2.0 * Average API*

API = ((Mean of 2ndYear Grade Point Average of all successful Students on a 10-point scale) or (Mean of the percentage of marks of all successful students in Second Year/ 10)) x (successful students/number of students appeared in the examination)

Successful students are those who are permitted to proceed to the final year

Academic Performance	CAYm1 (2020-23)	CAYm2 (2019-22)	CAYm3 (2018-21)
Mean of CGPA or Mean Percentage of all successful students (X)	59.41	70.2	80.1
Total no. of successful students (Y)	6	13	4
Total no. of students appeared in the examination (Z)	11	13	4
API = (X/10) * (Y/Z)	3.24	7.02	8.01
Average API = (AP1 + AP2 + AP3)/3			

$$\begin{aligned} \text{Academic Performance Level} &= 2.0 * 6.09 \\ &= \mathbf{12.18} \end{aligned}$$

B3.5. Academic Performance in Final Year

Academic Performance Level = $1.5 * \text{Average API (Academic Performance Index)}$

API = (Mean of Final Year Grade Point Average of all successful Students on a 10-point scale) or (Mean of the percentage of marks of all successful students in Final Year/10) x (successful students/number of students appeared in the examination)

Successful students are those who passed in all the final year courses

Academic Performance	Last Year Graduate, (LYG) 2020-2023	Last Year Graduate minus 1, (LYGm1) 2019-2022	Last Year Graduate minus 1, (LYGm1) 2018-2021
Mean of CGPA or Mean Percentage of all successful students(X)	64.6	67.48	68.5
Total no. of successful students (Y)	4	4	4
Total no. of students appeared in the examination (Z)	6	9	4
API = $(X/10) * (Y/Z)$	4.3	2.99	6.9
Average API = $(AP1 + AP2 + AP3)/3$	4.7		

$$\begin{aligned} \text{Academic Performance Level} &= 1.5 * 4.7 \\ &= \mathbf{7.05} \end{aligned}$$

B3.6. Placement, Higher Studies and Entrepreneurship

Assessment Points = $40 * \text{Average placement}$

Item	Last Year Graduate, (LYG), 2022-23	Last Year Graduate Minus 1 Batch, (LYGm1), 2021-22	Last Year Graduate Minus 2 Batch, (LYGm2), 2020-21
Total No. of Final Year Students (N)	6	9	4
No. of students placed in companies or Government Sector (X)	1	2	1
No. of students admitted to higher studies (Y)	3	2	3
ZNo. of students turned entrepreneur in the respective field of engineering/technology (Z)	NIL	NIL	NIL
$1.25X + Y + Z$	4.25	4.5	4.25
Placement Index (P) : $(1.25X + Y + Z)/N$	P1(0.708)	P2(0.50)	P3(1.063)
Average placement= $(P1 + P2 + P3)/3$	0.757		

C. Criterion wise Compliance Status

S.N.	Criteria	Observations made by NBA (During the last accreditation visit)	Compliance Status (Action taken by the institution)
1	Vision, Mission & PEOs		
1.1.	Formulation of Vision and Mission		
1.2.	Formulation of Program Educational Objectives		
1.3.	Dissemination	Lack of knowledge of CO, PO, PSO among students	Knowledge about CO-PO-PSO disseminated during students' induction program, class lectures and Awareness programs/seminars conducted.
1.4	Process for defining the Vision and Mission of the Department, and PEOs of the program		
1.5	Consistency of PEOs with Mission of the Department		
Any other observations of the NBA			
2	Program Curriculum and Teaching-Learning Processes		
2.1.	Program Curriculum		
2.2.	Teaching Learning Process		
Any other observations of the NBA			
3.	Course Outcomes and Program Outcomes		
3.1.	Establishment of correlation between the courses and the POs & PSOs	CO-PO mapping to be improved	Re-mapping done for improvement
3.2.	Attainment of Course Outcomes	Attainment level to be improved	Course outcomes updated for improvement
3.3.	Attainment of Program Outcomes & Program Specific Outcomes	Attainment level to be improved	Re-mapping done for improvement
4.	Students' Performance		
4.2	Success rate in the stipulated period of the program	Success rate to be improved	Remedial classes conducted to improve success rate

Details of the Action taken on the Observation of NBA during last visit:


- 1. Re-Mapping of CO-PO and improved**
- 2. Programs/seminars conducted for awareness on CO, PO and PSO**

Declaration

It is hereby declared that information provided in this Compliance Report is factually correct. I understand and agree that an appropriate action against the Institute will be initiated by the NBA (which may include debarring the institution for three years), in case any false statement/information is observed during the assessment of the compliance report.

Date: 28-03-2024

Place: KPA


(Er. NEISEKHO CHAYA)
PRINCIPAL
Khelhoshe Polytechnic Atoizu
Zunheboto : Nagaland