

## Year: 2022- 2023

### 2.6.3 Measuring method of the level of attainment of POs, PSOs and COs

In order to measure the level of attainment of Program Outcomes (POs) and Program Specific Outcomes (PSOs) we rely on the final semester results of our students after the completion of the Program. However, the Course Outcomes (COs) are measured through two Sessional examinations held centrally throughout the college and in a continuous basis of evaluation process through daily homework and class interactions. For a robust and transparent process of measuring the attainment of POs and PSOs we adopted the following rubrics.

**Rubric 1: It is used for the quantitative measure of the attainment of POs, PSOs.**

Category	Unsatisfactory	Competent	Proficient	Distinguished	Target
Program/ Specific Program/ Department	<70% students passed the final examination	70-80% students passed the final examination	80-90% students passed the final examination	90-100% students passed the final examination	100% students passed the final examination

**Rubric 2: It is used for the qualitative as well as quantitative measure of the attainment of POs, PSOs.**

Category	Initial	Moderate	Progressed	Developed	Highly Developed	Target No. 1	Target No. 2
Program/ Specific program/ Department	Students obtained 60- 70% marks after completion of the program	Students obtained 60-70% marks after completion of the program	Students obtained 70-80% marks after completion of the program	Students obtained 80-90% marks after completion of the program	Students obtained above 90% marks after completion of the program	Students are pursuing Higher education	Students are employed

For the academic session 2022-2023, we have prepared the rubrics for all the programs, specific programs/departments and the same have been analyzed using graphical representations.

## 2.6.3.1 Measure of Program Outcome 2022-2023

### 2.6.3.1 (a) Rubric 1:

Category	Unsatisfactory <70%	Competent 70-80%	Proficient 80-90%	Distinguished 90-100%	Target 100%
B. A. Major (BA)			✓		
B. Sc. Major (BSC)			✓		
B. Com. (BCOM)			✓		
M. Sc. (MSC)	✓				

The POs for the academic year 2022-23 is shown in the rubrics above. From the rubric it is clear that the BA, BSC and BCOM programme has achieved distinguished level of outcome, whereas the MSC programme need to improve the programme outcome.

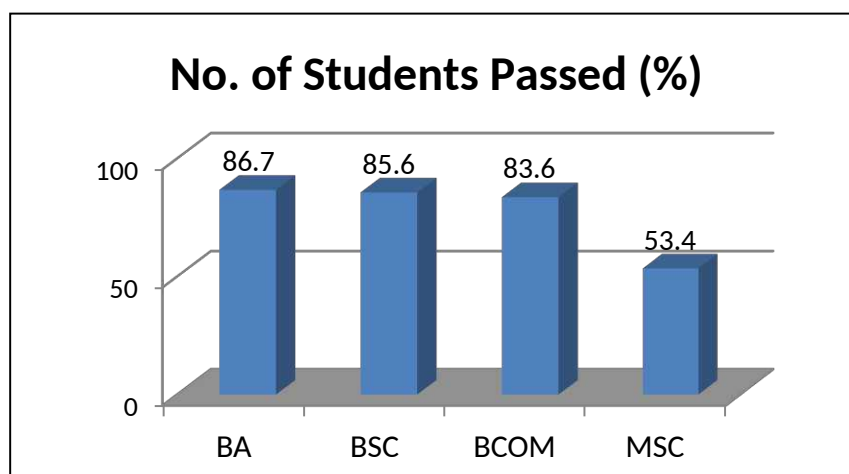


Figure: 1

### (b) Rubric 2:

Category	Initial ≤60%	Moderate 60-70%	Progressed 70-80%	Developed 80-90%	Excelled ≥90%
BA	0.0	12.5	67.5	17.5	2.5
BSC	0.0	0.0	7.9	66.2	25.9
BCOM	0.0	2.0	52.0	40.0	6.0
MSC	0.0	0.0	100.0	0.0	0.0

In this rubric we have represented the quality of our students passed in each programme. We have shown the progress of the students in the prescribed programs in figure 2.

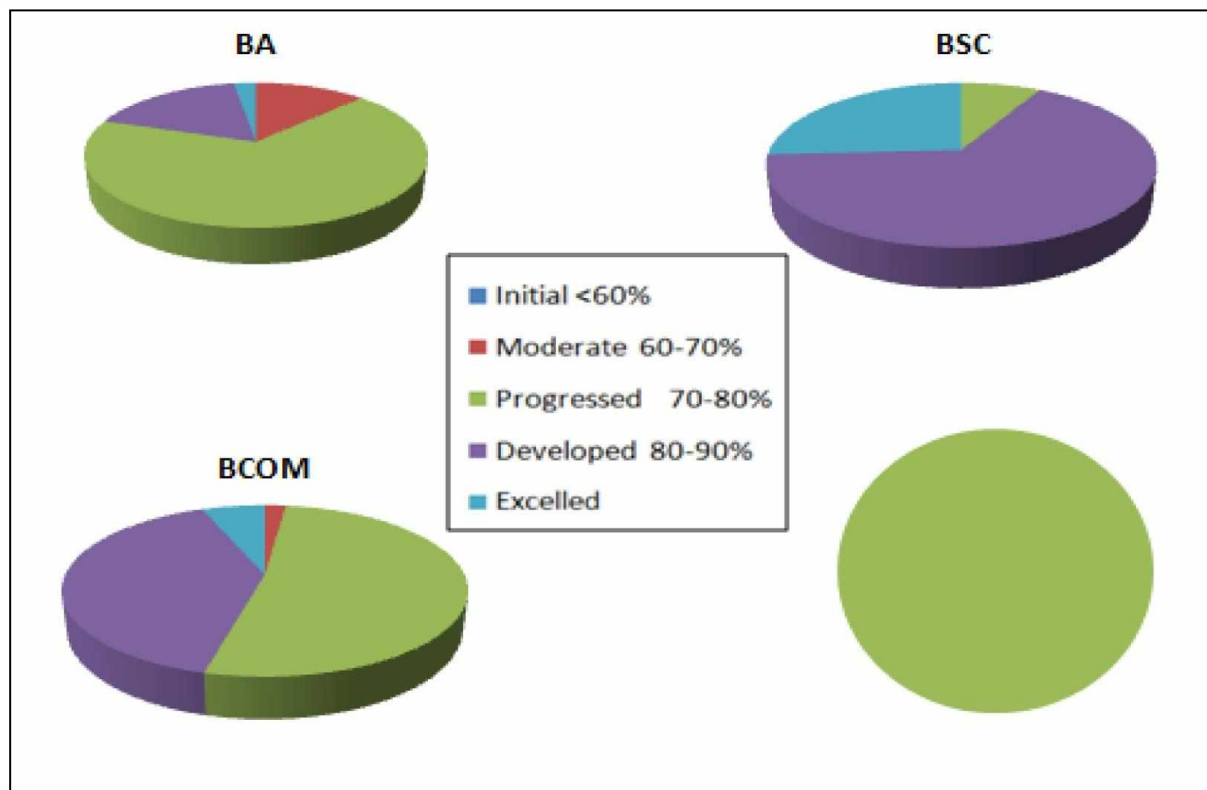


Figure 2

From figure 2 it is clear that BA, BSC, BCOM and MSC programme has shown developed outcome. The BSC programme also achieved the excelled category.

### Measure of Program Specific Outcome 2022-2023

#### 2.6.3.2 (a) Rubric 1:

Category	Course Code	Unsatisfactory <70%	Competent 70-80%	Proficient 80-90%	Distinguished 90-100%	Target 100%
BA Assamese	ASM	✓				
BA Economics	ECO					✓
BA Education	EDN					✓
BA English	ENG				✓	
BA Hindi	HIN			✓		
BA Philosophy	PHI			✓		
BA Political Science	PSC				✓	

BSc Botany	BOT				✓	
BSc Chemistry	CHM					✓
BSc Electronics	ELT			✓		
BSc Mathematics	MTH	✓				
BSc Physics	PHY		✓			
BSc Zoology	ZOO					✓
BCom	BCOM			✓		
MSc in Physics	MSP	✓				

In the rubric we have shown the PSOs for different programs. According to this rubric four of the specific programs have achieved the target and three are close to achieve it. However, three specific programs need to improve. In figure 4, the level of attainment of PSO is represented graphically.

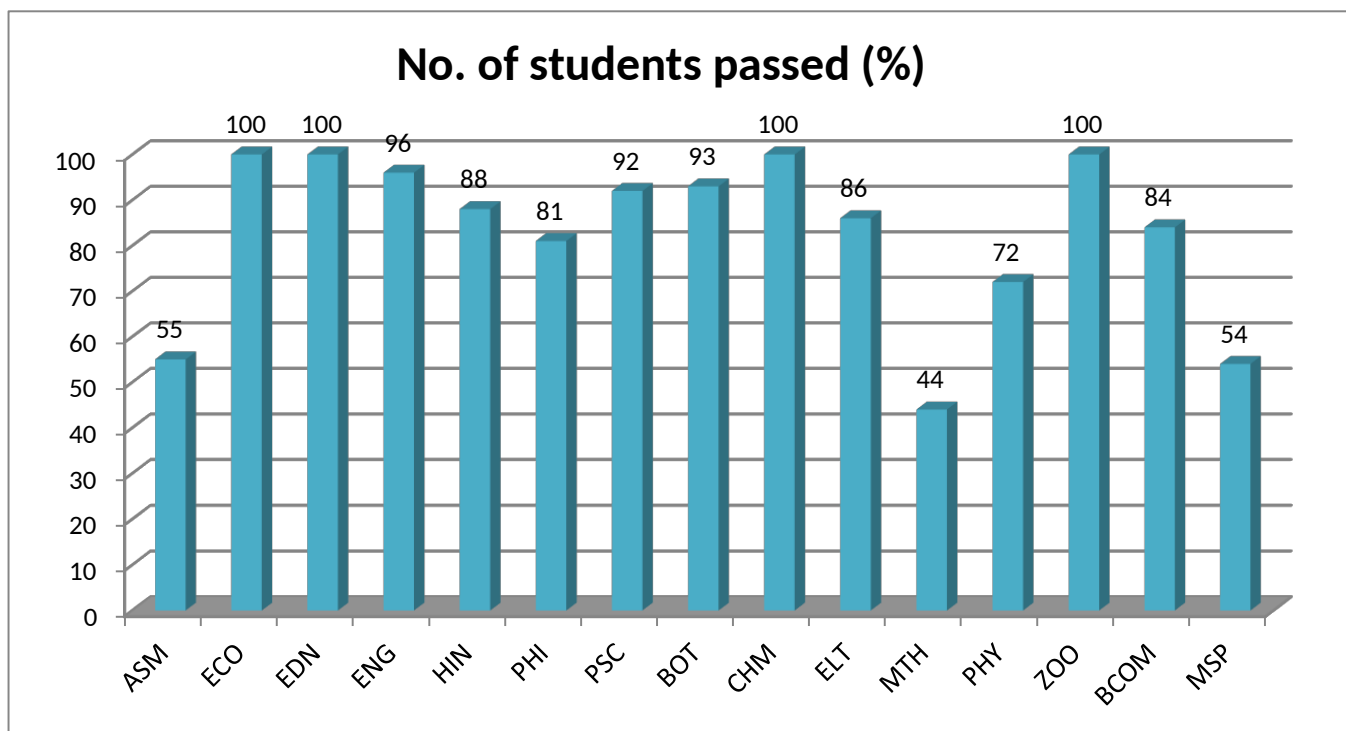
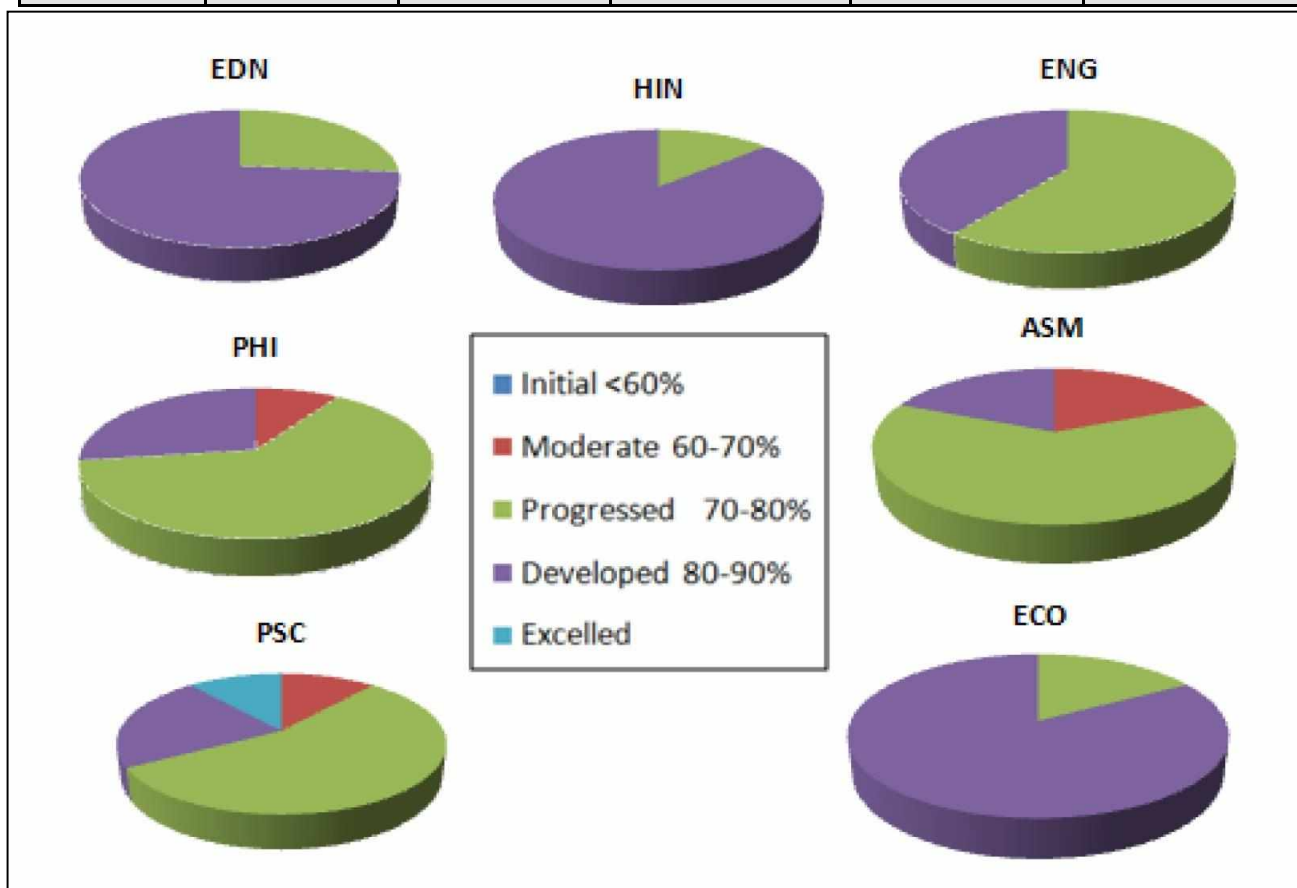
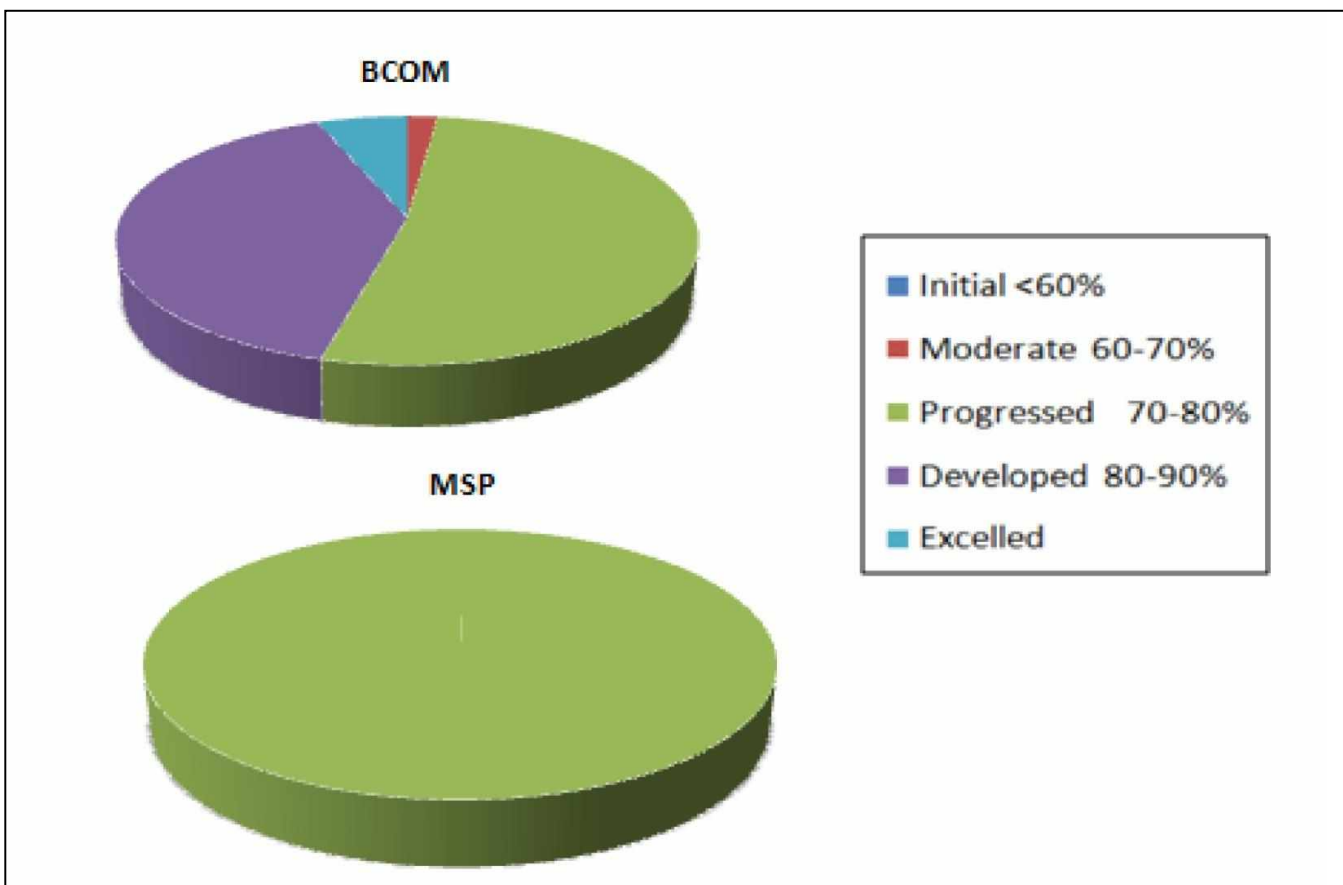
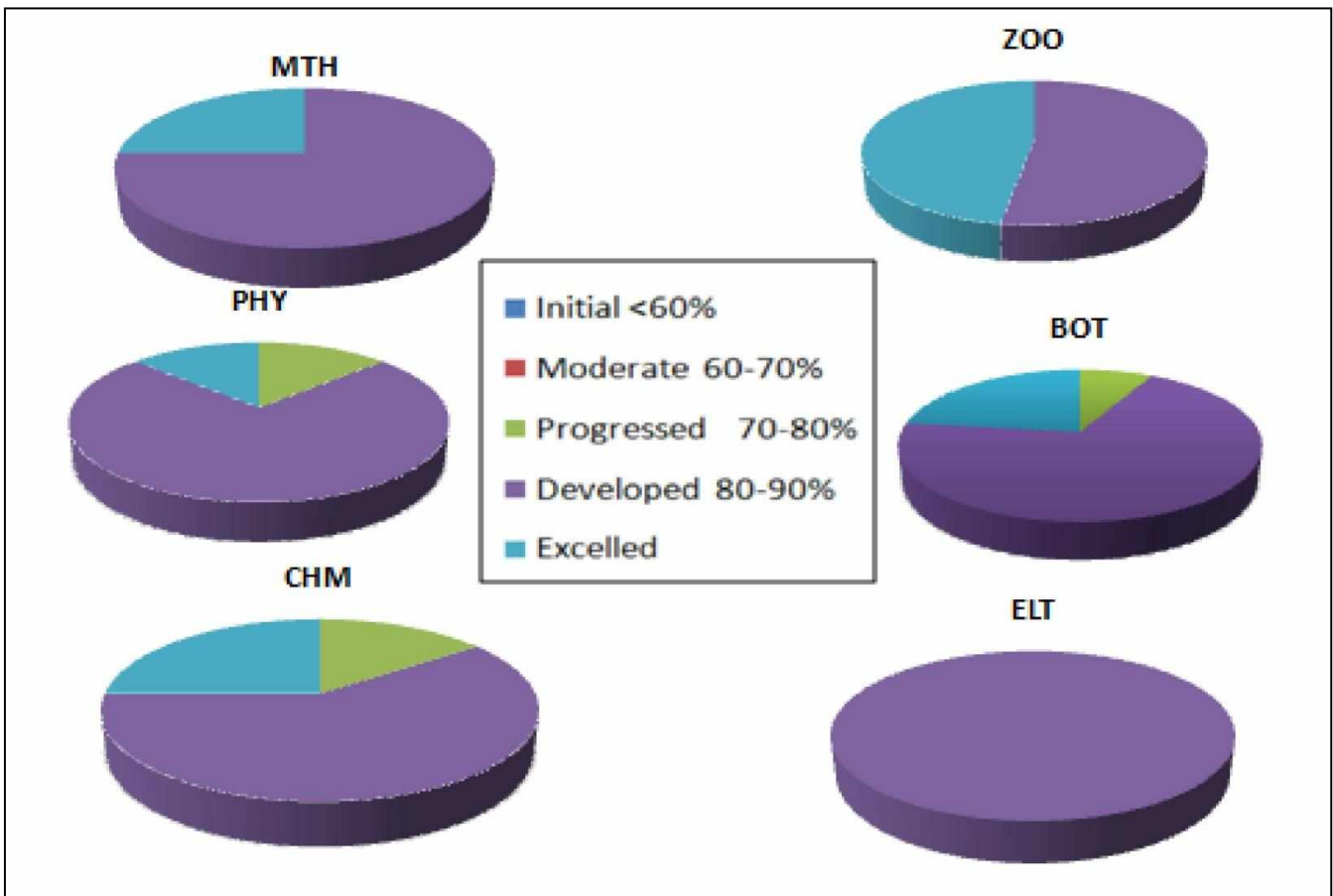


Figure 3

## (b) Rubric 2:

Course Code	Initial <60%	Moderate 60-70%	Progressed 70-80%	Developed 80-90%	Excelled ≥90%
ASM	0.0	18.7	62.5	18.7	0.0
ECO	0.0	0.0	16.7	83.3	0.0
EDN	0.0	0.0	26.3	73.7	0.0
ENG	0.0	0.0	60.0	40.0	0.0
HIN	0.0	0	13.4	86.6	0.0
PHI	0.0	9.1	63.6	27.3	0.0
PSC	0.0	11.1	55.6	22.2	11.1
BOT	0.0	0.0	7.7	69.2	23.1
CHM	0.0	0.0	15.0	60.0	25.0
ELT	0.0	0.0	0.0	100.0	0.0
MTH	0.0	0.0	0.0	75.0	25.0
PHY	0.0	0.0	13.3	73.4	13.3
ZOO	0.0	0.0	0.0	52.6	47.4
BCOM	0.0	2.0	52.0	40.0	6.0
MSP	0.0	0.0	100.0	0.0	0.0





## Measure of Course Outcome 2022-2023

The CO is measured through two sessional exams and daily homework/ assignments. The result of the sessional exam is uploaded to the **ERP** system. Based on the first sessional examination's result remedial classes are taken. Here is a sample of course outcome

Roll Number	Student Name	Electricity and Magnetism (C3) (12.00/30.00 - PHY C3)	Waves and Optics (C4) (12.00/30.00 - PHY C4)	Differential Equations (GE 2.1) (16.00/40.00 - MTH GE 2)	Percent (%)	Result
68	SANGITA GOGOI	8 (F)	14 (P)		36.67	Normal
3	ABINASH BURJA GOHAIN	21 (A)	20 (B+)		68.33	Normal
76	SUNAINA MAHATO	2 (F)	10 (F)		20.00	Slow
128	SUSANT SHARMA	2 (F)	12 (F)		23.33	Slow
102	HEMAKSHI KASHYAP	14 (P)	13 (F)	23 (B)	50.00	Normal
7	ANKIT UPADHAYA	4 (F)	3 (F)	5 (F)	12.00	Slow
118	SAIKOT CHAKRABORTY	4 (F)	6 (F)		16.67	Slow
61	ROHAN CHETRY	26 (A+)	26 (A+)		86.67	Normal
95	BIRAJ KANTI NATH	21 (A)	16 (P)	9 (F)	46.00	Normal
67	SAMUJJAL ACHARJEE	8 (F)	5 (F)	18 (F)	31.00	Normal
117	ROBIN CHAKMA	3 (F)	11 (F)		23.33	Slow
29	GAURAV KARMAKAR	10 (F)	5 (F)		25.00	Slow
58	Raj Seal	27 (O)	26 (A+)	26 (B+)	79.00	Advanced
21	DEBOJIT KONCH	5 (F)	11 (F)	31 (A)	47.00	Normal
15	Bharat Sharma	5 (F)	20 (B+)		41.67	Normal
18	Bimal Chetri	9 (F)	13 (F)		36.67	Normal
110	QUJING MORANG	11 (F)	10 (F)	14 (F)	35.00	Normal
22	DEBSREE CHETRI	1 (F)	4 (F)	6 (F)	11.00	Slow