



GAMES AND SPORTS COUNCIL, IIT KANPUR PROPOSAL

RIFLE & PISTOL SHOOTING RANGE



VISION:

- **OPEN TO ALL**

There are no pre-requisites required for this sport & no age barriers. Once a person starts, it gets down to competing with oneself to better his/her own performance

- **PHYSICALLY DEMANDING SPORT**

While it is a fun sport, shooting also demands physically and those wishing to progress may want to think about improving upper body strength for greater control.

- **IMPROVES FOCUS**

Shooters develop their focus, flexibility, and attention span with time, which makes it great for mental fitness

- **RELATIVELY INEXPENSIVE**

Apart from the one-time cost on equipment, it requires next to nothing for maintenance.

- **ENTERTAINING**

The thrill of being able to hit a target at great distance with mere focus makes shooting really enjoyable

- **IMPROVES PATIENCE**

Shooting is particularly useful for youngsters as it teaches them the benefits of patience.

- **SOCIAL SPORT**

People from all walks of life enjoy shooting. Almost every age group can participate. Children as young as six or seven have taken well to the sport, while it is not unheard of people in their eighties to be shooting competitively. It also teaches the benefits of teamwork in some cases with some competitions involving groups of people.

- **IMPROVES SELF-CONFIDENCE**

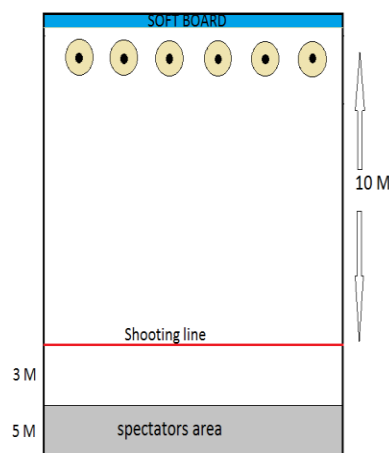
Shooting provides great satisfaction in combining both mental and physical attributes to good effect. Whatever the results at the target, every archer is able to draw satisfaction to a lesser or greater extent, from having won a personal mental battle.

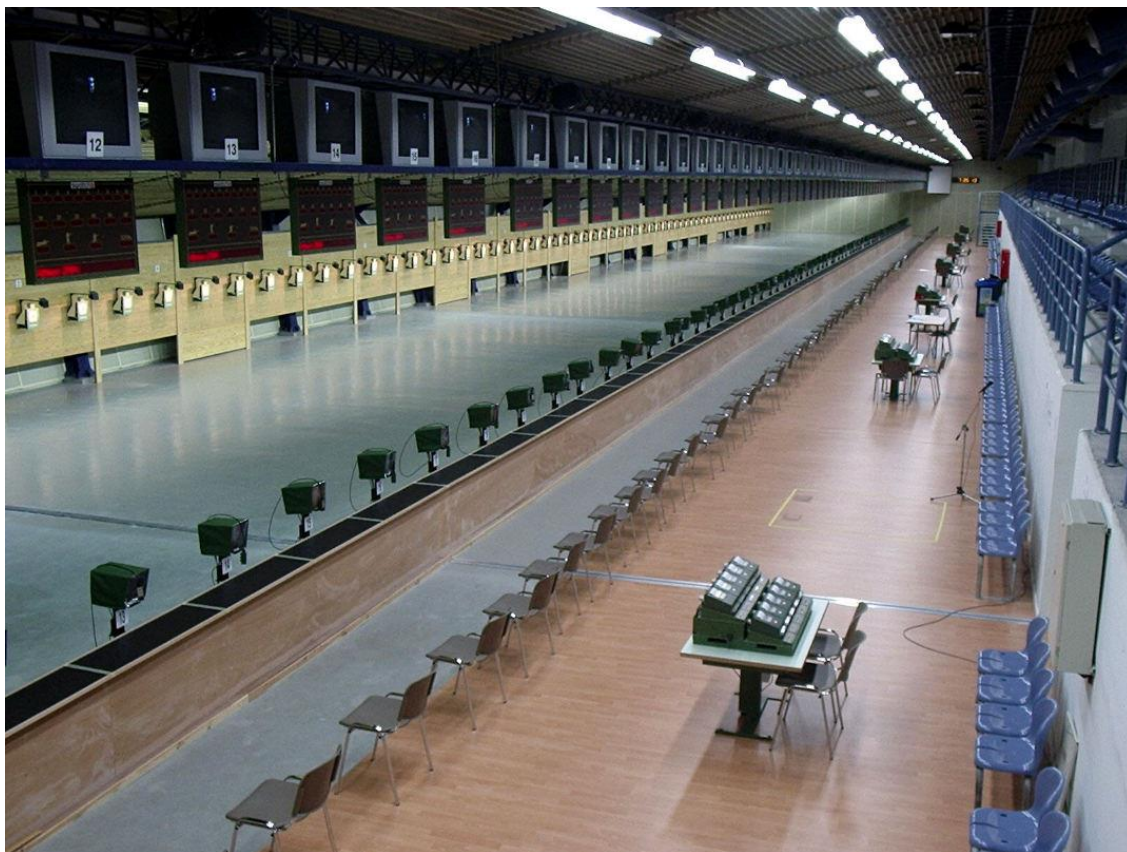
Plan:

- Setup infrastructural requirement (Shooting Range) and buy necessary equipment.
- Hire services from weekly professional coach
- Charge beneficiaries with subsidized fee (for the service and pellets provided) to pay complete coach fee and all the maintenance of equipment (since running cost is very low)

INDOOR RANGE LAYOUT :

Targets for rifle or pistol shooting are kept at a distance of 10m from the Firing line. Between the firing line and spectators area, 3m to 5m distance is kept.





EQUIPMENT:

AIR RIFLE : Feinwerkbau 500

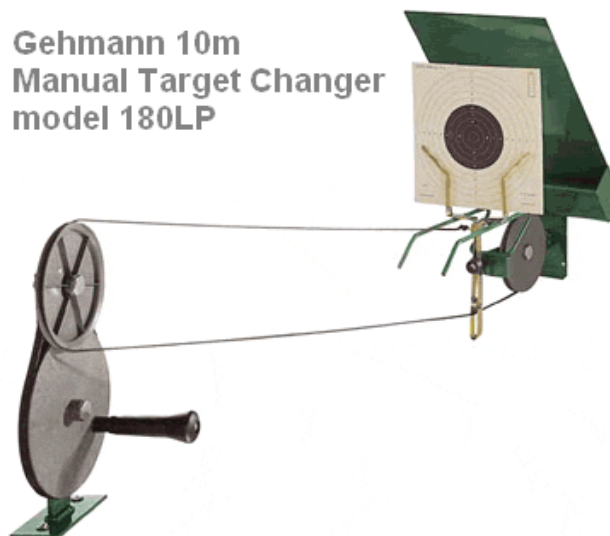


Manual Pulleys :

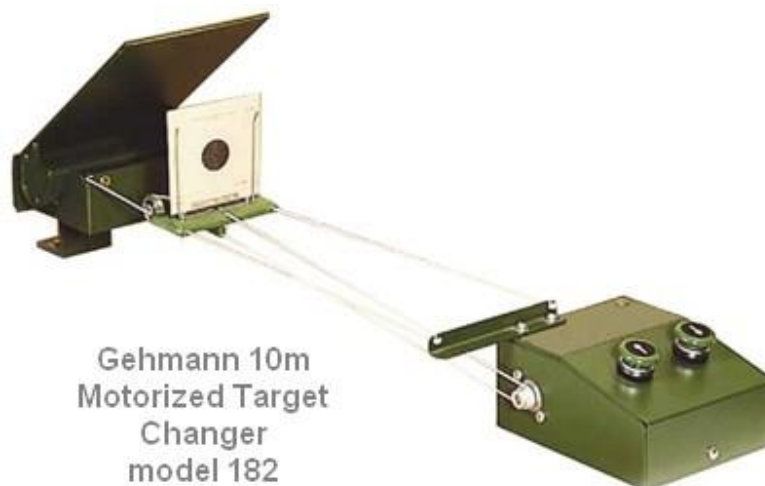
AIR PISTOL : Pardini K10



**Gehmann 10m
Manual Target Changer
model 180LP**



Electronic pulleys with rope :



Air rifle/ Air pistol cylinder:



Compressed Air cylinder:



Paper Targets:



Rifle stand and Shooting Kit:



ELITEscorer fully automatic pulley:



Equipment in Room for AIR Rifle/Pistol shooting:

S.No	Item of Work	Quantity	Unit	Rate per unit	Net Amount
1	Providing and fixing manual pulley with rope	4	No.	3500	14000
2	Electronic pulleys with rope	4	No.	13000	52000
3	ELITE pulley	1	No.	125000	125000
4	Shooting tables of 12X60X75 cm. dimensions	9	No.	5000	45000
5	Providing lighting system of 1500 lux on the firing line, 1500 lux on target and 500 lux general, with complete fitting.	1	Job	100000	100000
6	Providing air conditioners of 2 Ton capacity	2	No.	40000	80000
7	Steel Almirah of 6' height and 3' wide	2	No.	15000	30000
8	BAUER natural air compressor	1	No.	300000	300000
9	AIR Rifle Peep Sight	4	No.	75000	300000
10	AIR Pistol	4	No.	90000	360000
11	AIR pallets	100	Box	250	25000
12	Paper Target (for AIR rifle)	10000	No.	0.40	4000
13	Paper Target (for AIR Pistol)	10000	No.	1	10000
14	Stand for Rifle	4	No.	3000	12000
15	Shooter's Kit	4	No.	30000	120000
16	Installation and other wooden works/ labor work	1	Job	300000	300000
17	Air cylinders	2	No.	5000	10000
18	Extra air rifle cylinder	2	No.	12000	24000
19	Extra air pistol cylinder	2	No.	12000	24000
20	Reception Tables	2	No.	10000	20000
21	Chairs	20	No.	1000	20000
				TOTAL(A)	1975000

Room Requirement:

Dimensions: 23 M * 15 M with standard height, sound proofing, bathroom & store room inside.

Total Set Up Cost:

1975000 + Room Cost

EXPENSES-REVENUES:

Student will have to use the facility through a 4 week pass (Mon-Sat) or on Sundays on a single time basis

Timings: Monday- Saturday (4 week pass) : 6pm-9pm & on Sunday: 12pm-6pm

Monthly Pass (Mon-Sat)

Timings	6pm-9pm
One Slot	45 mins
No of slots per range	4
No of range	8
No of slots per day	32
No of sessions per student in a pass	2 per week (8 in a month)
No of monthly pass students	96
Monthly pass fee (in Rs)	500
Monthly collection through passes (A)	48,000
Pellet Charges + Card Charges	To be borne by student

One Time Collection (Sunday)

Timings	12pm-6pm
One Slot	30 mins
No of slots per range	12
No of Range	8
No of slots per day	96
No of slots for 4 weeks	384
Fee per slot	100
Collection	38400
Occupancy rate	75%
Collection (assuming occupancy 75%)	28800
Pellet + Card Charges	To be borne by the Facility
Pellets + Card Charges monthly	6000
Net collection	22800

Total collection =A + B

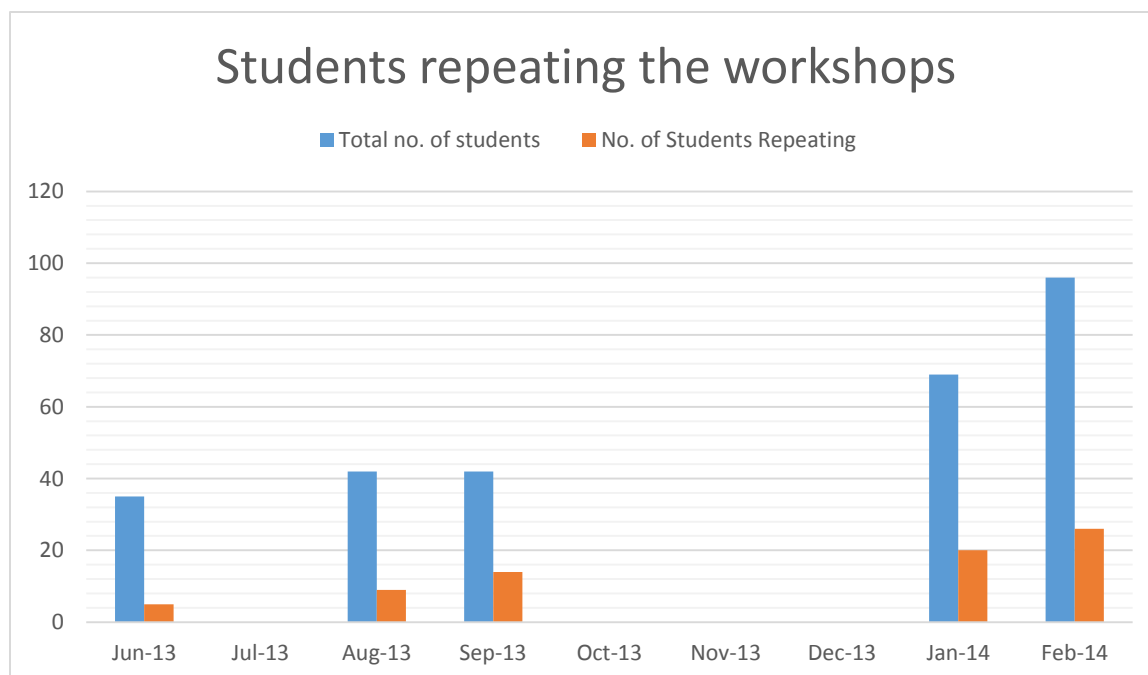
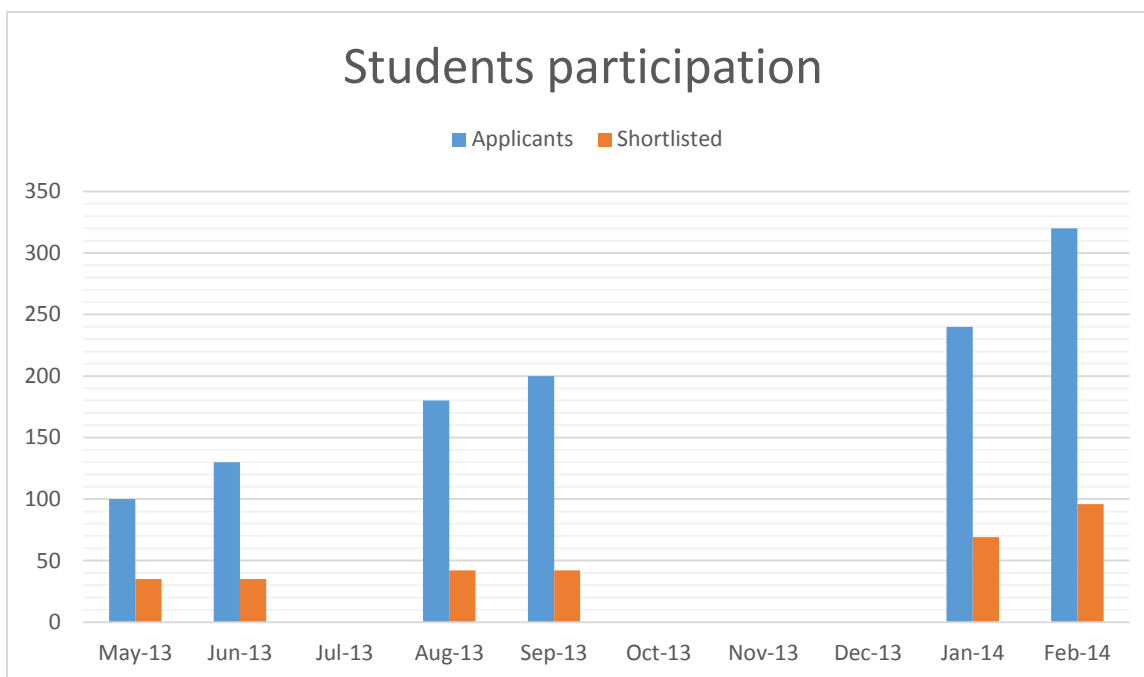
70,800

EXPENSES:

Coach Fee (per student per session)	25
Monthly Coach Fee	26400
No of staff	2
Staff cost (Assuming daily wage Rs 300)	18000
Equipment Maintenance Expense	10000
Miscellaneous expense	3000
Buffer Expense	3000
Expenses	60,400

This money saved over the years can be used for purchasing equipment to run the facility.

SHOOTING WORKSHOP STATS:



ACHIEVEMENTS:

- Prachi Mishra from our college b a national level shooter last year. She and coach believe that IIT Kanpur has lots of students who have great potential for this sport. Already around 500 students from the campus have tried 10m rifle shooting through the hobby club. Some of students have scored even up to 98%.