## CSE 404: Object Picking Robot Project cost

Sr.	Item name	Per unit (tk)	Unit	Total (tk)	Payer	Shop	Date
1.	Wireless device & interface	<del>1500</del>	1	<del>1500</del>	Limon	T.S.	
2.	Infrared sensor	5+5	10	100	Limon	T.S.	14.03.13
3.	Rickshaw fare	-	-	100	Sourov	-	
4.	Rickshaw fare	-	-	40	Limon	-	
5.	Rickshaw fare	-	-	50	Rhythm	-	
6.	LED - small & big	-	5+2	10	Rhythm	S.E.	
7.	Wires	20	2	40	Rhythm	S.E.	
8.	Switch (ON/OFF)	3	5	15	Rhythm	S.E.	
9.	ULN2003	20	3	60	Rhythm	S.E.	17.03.13
10.	ATmega16 microcontroller	240	2	480	Rhythm	S.E.	17.03.13
11.	Breadboard	170	1	170	Rhythm	S.E.	
12.	Resistor (1K, 2K & 4.7 K)	-	5+5+5	10	Rhythm	S.E.	
13.	Rickshaw fare	-	-	20	Mazhar	-	
14.	Bus fare	-	-	50	Rhythm	-	
15.	Rickshaw fare	-	-	40	Rhythm	-	
16.	Bluetooth device	1500	1	1500	Limon	T.S.	
17.	Servo motor – MG-995	800	2	1600	Rhythm	T.S.	
18.	Photo-diode	80	2	160	Rhythm	T.S.	
19.	Led - big	1	5	5	Rhythm	T.S.	
20.	Voltage regulator	8	8	64	Rhythm	T.S.	
21.	LDR	5	2	10	Rhythm	T.S.	24.02.42
22.	IC-7805	7	1	7	Rhythm	T.S.	21.03.13
23.	PCB - big	60	1	60	Rhythm	S.E.	
24.	PCB - small	30	1	30	Rhythm	S.E.	
25.	ATmega16 base	15	2	30	Rhythm	S.E.	
26.	10K potentiometer	10	5	50	Rhythm	S.E.	
27.	Solder	140	1	140	Rhythm	S.E.	
28.	Rojon	10	1	10	Rhythm	S.E.	

29.       12V AC-DC adapter       130       1       130       Rhythm       S.E.         30.       Soldering iron       120       1       120       Rhythm       S.E.         31.       Multi-meter       600       1       600       Rhythm       S.E.         32.       Capacitor - 100uF & 0.1 uF       -       2+2       10       Rhythm       S.E.         33.       Wires       20       4       80       Rhythm       S.E.         34.       Microcontroller loader       1100       1       1100       Rhythm       S.E.         34.       Microcontroller       100       1       100       Rhythm       S.E.         35.       Rickshaw fare       -       -       25       Rhythm       S.T.E.         38.       L293D       150       2       300       Sourov       S.T.E.         40.								
31.         Multi-meter         600         1         600         Rhythm         S.E.           32.         Capacitor - 100uF & 0.1 uF         -         2+2         10         Rhythm         S.E.           33.         Wires         20         4         80         Rhythm         S.E.           34.         Microcontroller loader         1100         1         1100         Rhythm         S.E.           35.         Rickshaw fare         -         -         60         Rhythm         -           36.         Bluetooth USB dongle         100         1         100         Rhythm         -           37.         Rickshaw fare         -         -         25         Rhythm         -           38.         L293D         150         2         300         Sourov         T.S.           39.         DC motor         150         2         300         Nayem         S.T.E.           40.         9V Battery         60         1         60         Sourov         S.T.E.           42.         Connector         20         1         20         Sourov         S.T.E.           43.         Soldering         -         -	29.	12V AC-DC adapter	130	1	130	Rhythm	S.E.	
32.   Capacitor - 100uF & 0.1 uF   -	30.	Soldering iron	120	1	120	Rhythm	S.E.	
33.   Wires   20   4   80   Rhythm   S.E.     34.   Microcontroller loader   1100   1   1100   Rhythm:600, Limon:500   Szk.E.     35.   Rickshaw fare   60   Rhythm   -     36.   Bluetooth USB dongle   100   1   100   Rhythm   D.IT     37.   Rickshaw fare   25   Rhythm   -     38.   L293D   150   2   300   Sourov   T.S.     39.   DC motor   150   2   300   Nayem   S.T.E.     40.   9V Battery   60   1   60   Sourov   S.T.E.     41.   ?   10   1   10   Sourov   S.T.E.     42.   Connector   20   1   20   Sourov   S.T.E.     43.   Soldering   350   Limon:150   -     44.   Rickshaw fare   - 120   Limon:60, Mazhar:60   -     45.   ??   500   Limon   -     46.   Stepper motor, Wheel   1500   Mazhar   -     47.   Wheel (Back)   - 2   360   Sourov   -     48.   Breadboard   180   1   180   Sourov   -     49.   Microcontroller   150   1   150   Sourov   -     50.   Battery   280   Sourov   -     51.   Connector   - 144   Sourov   -	31.	Multi-meter	600	1	600	Rhythm	S.E.	
34.         Microcontroller loader         1100         1         1100         Rhythm:600, Limon:500         Szk.E.           35.         Rickshaw fare         -         -         60         Rhythm         -           36.         Bluetooth USB dongle         100         1         100         Rhythm         D.IT           37.         Rickshaw fare         -         -         25         Rhythm         -           38.         L293D         150         2         300         Sourov         T.S.           39.         DC motor         150         2         300         Nayem         S.T.E.           40.         9V Battery         60         1         60         Sourov         S.T.E.           41.         ?         10         1         10         Sourov         S.T.E.           42.         Connector         20         1         20         Sourov         S.T.E.           43.         Soldering         -         -         350         Limon:150         -           44.         Rickshaw fare         -         -         120         Mazhar:60         -           45.         ??         -         -         50	32.	Capacitor - 100uF & 0.1 uF	-	2+2	10	Rhythm	S.E.	
34.   Microcontroller loader   1100   1   1100   Limon:500   SZR.E.     35.   Rickshaw fare   60   Rhythm   -     36.   Bluetooth USB dongle   100   1   100   Rhythm   D.IT     37.   Rickshaw fare   25   Rhythm   -     38.   L293D   150   2   300   Sourov   T.S.     39.   DC motor   150   2   300   Nayem   S.T.E.     40.   9V Battery   60   1   60   Sourov   S.T.E.     41.   ?	33.	Wires	20	4	80	Rhythm	S.E.	
36.         Bluetooth USB dongle         100         1         100         Rhythm         D.IT           37.         Rickshaw fare         -         -         25         Rhythm         -           38.         L293D         150         2         300         Sourov         T.S.           39.         DC motor         150         2         300         Nayem         S.T.E.           40.         9V Battery         60         1         60         Sourov         S.T.E.           41.         ?         10         1         10         Sourov         S.T.E.           42.         Connector         20         1         20         Sourov         S.T.E.           43.         Soldering         -         -         350         Sourov         Sourov         -           44.         Rickshaw fare         -         -         120         Limon:60, Mazhar:60         -           45.         ??         -         -         500         Limon         -           46.         Stepper motor, Wheel         -         -         1500         Mazhar         -           47.         Wheel (Back)         -         2         <	34.	Microcontroller loader	1100	1	1100	•	Szk.E.	
37. Rickshaw fare         -         -         25         Rhythm         -           38. L293D         150         2         300         Sourov         T.S.           39. DC motor         150         2         300         Nayem         S.T.E.           40. 9V Battery         60         1         60         Sourov         S.T.E.           41. ?         10         1         10         Sourov         S.T.E.           42. Connector         20         1         20         Sourov         S.T.E.           43. Soldering         -         -         350         Sourov:200, Limon:150         -           44. Rickshaw fare         -         -         120         Limon:60, Mazhar:60         -           45. ??         -         -         500         Limon         -           46. Stepper motor, Wheel         -         -         1500         Mazhar         -           47. Wheel (Back)         -         2         360         Sourov         -           48. Breadboard         180         1         180         Sourov         -           49. Microcontroller         150         1         150         Sourov         -	35.	Rickshaw fare	-	-	60	Rhythm	-	
38. L293D         150         2         300         Sourov         T.S.           39. DC motor         150         2         300         Nayem         S.T.E.           40. 9V Battery         60         1         60         Sourov         S.T.E.           41. ?         10         1         10         Sourov         S.T.E.           42. Connector         20         1         20         Sourov         S.T.E.           43. Soldering         -         -         350         Limon:60, Limon:150         -           44. Rickshaw fare         -         -         120         Limon:60, Mazhar:60         -           45. ??         -         -         500         Limon         -           46. Stepper motor, Wheel         -         -         1500         Mazhar         -           47. Wheel (Back)         -         2         360         Sourov         -           48. Breadboard         180         1         180         Sourov         -           49. Microcontroller         150         1         150         Sourov         -           50. Battery         -         -         -         14         Sourov         -	36.	Bluetooth USB dongle	100	1	100	Rhythm	D.IT	
39.         DC motor         150         2         300         Nayem         S.T.E.           40.         9V Battery         60         1         60         Sourov         S.T.E.           41.         ?         10         1         10         Sourov         S.T.E.           42.         Connector         20         1         20         Sourov         S.T.E.           43.         Soldering         -         -         350         Sourov:200, Limon:150         -           44.         Rickshaw fare         -         -         120         Limon:60, Mazhar:60         -           45.         ??         -         -         500         Limon         -           46.         Stepper motor, Wheel         -         -         1500         Mazhar         -           47.         Wheel (Back)         -         2         360         Sourov         -           48.         Breadboard         180         1         180         Sourov         -           49.         Microcontroller         150         1         150         Sourov         -           50.         Battery         -         -         280	37.	Rickshaw fare	-	-	25	Rhythm	1	
40.       9V Battery       60       1       60       Sourov       S.T.E.       24.03.1         41.       ?       10       1       10       Sourov       S.T.E.         42.       Connector       20       1       20       Sourov       S.T.E.         43.       Soldering       -       -       350       Sourov:200, Limon:150       -         44.       Rickshaw fare       -       -       120       Limon:60, Mazhar:60       -         45.       ??       -       -       500       Limon       -         46.       Stepper motor, Wheel       -       -       1500       Mazhar       -         47.       Wheel (Back)       -       2       360       Sourov       -         48.       Breadboard       180       1       180       Sourov       -         49.       Microcontroller       150       1       150       Sourov       -         50.       Battery       -       -       280       Sourov       -         51.       Connector       -       -       14       Sourov       -	38.	L293D	150	2	300	Sourov	T.S.	
41. ?       10       1       10       Sourov       S.T.E.         42. Connector       20       1       20       Sourov       S.T.E.         43. Soldering       -       -       350       Sourov:200, Limon:150       -         44. Rickshaw fare       -       -       120       Limon:60, Mazhar:60       -         45. ??       -       -       500       Limon       -         46. Stepper motor, Wheel       -       -       1500       Mazhar       -         47. Wheel (Back)       -       2       360       Sourov       -         48. Breadboard       180       1       180       Sourov       -         49. Microcontroller       150       1       150       Sourov       -         50. Battery       -       -       280       Sourov       -         51. Connector       -       -       14       Sourov       -	39.	DC motor	150	2	300	Nayem	S.T.E.	
42. Connector       20       1       20       Sourov       S.T.E.         43. Soldering       -       -       350       Sourov:200, Limon:150       -         44. Rickshaw fare       -       -       120       Limon:60, Mazhar:60       -         45. ??       -       -       500       Limon       -         46. Stepper motor, Wheel       -       -       1500       Mazhar       -         47. Wheel (Back)       -       2       360       Sourov       -         48. Breadboard       180       1       180       Sourov       -         49. Microcontroller       150       1       150       Sourov       -         50. Battery       -       -       280       Sourov       -         51. Connector       -       -       14       Sourov       -	40.	9V Battery	60	1	60	Sourov	S.T.E.	24.03.13
43.       Soldering       -       -       350       Sourov:200, Limon:150       -         44.       Rickshaw fare       -       -       120       Limon:60, Mazhar:60       -         45.       ??       -       -       500       Limon       -         46.       Stepper motor, Wheel       -       -       1500       Mazhar       -         47.       Wheel (Back)       -       2       360       Sourov       -         48.       Breadboard       180       1       180       Sourov       -         49.       Microcontroller       150       1       150       Sourov       -         50.       Battery       -       -       280       Sourov       -         51.       Connector       -       -       14       Sourov       -	41.	?	10	1	10	Sourov	S.T.E.	
43.       Soldering       -       -       350       Limon:150       -         44.       Rickshaw fare       -       -       120       Limon:60, Mazhar:60       -         45.       ??       -       -       500       Limon       -         46.       Stepper motor, Wheel       -       -       1500       Mazhar       -         47.       Wheel (Back)       -       2       360       Sourov       -         48.       Breadboard       180       1       180       Sourov       -         49.       Microcontroller       150       1       150       Sourov       -         50.       Battery       -       -       280       Sourov       -         51.       Connector       -       -       14       Sourov       -	42.	Connector	20	1	20	Sourov	S.T.E.	
44.       Ricksnaw fare       -       -       120       Mazhar:60       -         45.       ??       -       -       500       Limon       -         46.       Stepper motor, Wheel       -       -       1500       Mazhar       -         47.       Wheel (Back)       -       2       360       Sourov       -         48.       Breadboard       180       1       180       Sourov       -         49.       Microcontroller       150       1       150       Sourov       -         50.       Battery       -       -       280       Sourov       -         51.       Connector       -       -       14       Sourov       -	43.	Soldering	-	-	350	,	-	
46.       Stepper motor, Wheel       -       -       1500       Mazhar       -         47.       Wheel (Back)       -       2       360       Sourov       -         48.       Breadboard       180       1       180       Sourov       -         49.       Microcontroller       150       1       150       Sourov       -         50.       Battery       -       -       280       Sourov       -         51.       Connector       -       -       14       Sourov       -	44.	Rickshaw fare	-	-	120	-	-	
47.       Wheel (Back)       -       2       360       Sourov       -         48.       Breadboard       180       1       180       Sourov       -         49.       Microcontroller       150       1       150       Sourov       -         50.       Battery       -       -       280       Sourov       -         51.       Connector       -       14       Sourov       -	45.	??	-	-	500	Limon	-	
48. Breadboard       180       1       180       Sourov       -         49. Microcontroller       150       1       150       Sourov       -         50. Battery       -       -       280       Sourov       -         51. Connector       -       -       14       Sourov       -	46.	Stepper motor, Wheel	-	-	1500	Mazhar	-	
49. Microcontroller       150       1       150       Sourov       -         50. Battery       -       -       280       Sourov       -         51. Connector       -       -       14       Sourov       -	47.	Wheel (Back)	-	2	360	Sourov	-	
50.         Battery         -         -         280         Sourov         -           51.         Connector         -         -         14         Sourov         -	48.	Breadboard	180	1	180	Sourov	-	
51. Connector - 14 Sourov -	49.	Microcontroller	150	1	150	Sourov	-	
	50.	Battery	-	-	280	Sourov	-	
Total cost 11220	51.	Connector	-	-	14	Sourov	-	
			T	otal cost	11220			

## □ Shop list:

- 01. Telecom Spares, Shop1: 36/9, Hossain Market & Shop2: 42, Moon Complex, Patuatuly, Dhaka-1100.
- 02. Swades Electronics, Rabeya Elias Market(1st floor), Shop no. 15, 62, Patuatuly, Dhaka-1100.
- 03. Suzuki Electronics, Rabeya Elias Market(1st floor), Shop no. 17, 1st Lane-62, Patuatuly, Dhaka-1100.
- 04. Desire IT, ECS Computer City, Shop no. 604, Level-06, Multiplan center, 69-71, New Elephant Road, Dhaka-1205.
- 05. Star TV Electronics, 36, Hossain Market, Shop no. 2, Patuatuly, Dhaka.

## □ Total cost paid :

Rhythm	4816
Limon	2850
Sourov	1674
Mazhar	1580
Nayem	300
Arif vai	0
Total:	11220

Per person cost: 11220 / 6 = **1870** tk.

## □ Pay/Receive :

	Will pay (tk.)	Will receive (tk.)	Comment
Rhythm	-	2946	Received 1870+290+520 or 2680 tk.
Limon	-	980	Received 980 tk.
Sourov	196	-	
Mazhar	290	-	Paid 290 tk.
Nayem	1570	-	Paid 1500 tk.
Arif vai	1870	-	Paid 1870 tk.