Grupo	Integrantes	Tema
1	Getulio Rafael Vargas Sierra, Manuel Andres Sanchez Muñoz	Particle Swarm Optimization
2	Leidy Yuliany Graciano, Juan Camilo Muñeton, Juan David Ramirez	Firefly Algorithm
3	Cristian Camilo Sierra Garcia, Angela Maria Marin	Cuckoo Search
4	Miguel angel Gomez,Yeisson Quirama R.,Hugo Alexander Castañeda	Bat Algorithm
5	Giovanny Arango Suárez, Alejandro Zapata Lopera	Ant Colony Optimization
6	Daniel Esteban Cifuentes	Artificial Bee Colony
7	Carlos Valencia, Lindelia Garzon, Ivonne Navarro	Particle Swarm Optimization
8	Yair Monsalve,Gabriel Jaramillo, William Betancur	Firefly Algorithm
9	Andres Atehortua, Daniel Toro	Cuckoo Search
10	Samael Alejandro Zapata	Bat Algorithm
11	Angela Maria Marin Giraldo	Ant Colony Optimization