



Deep Blue - Project Competition

Season - 4 (2018-19)

Organised by: Mastek and Majesco

The Mastek-Majesco initiative Project Deep Blue, is an intercollegiate competition, encouraging engineering students to solve social problems using coding skills to come up with meaningful technical solutions over the course of three months.

As the name signifies, the competition promotes “Deep Thinking”, “Innovation” and awareness about the “Social Issues” in these young minds. It provides an early start, mentorship and industry exposure to the Entrepreneurs and Technology Leaders of tomorrow. The initiative was launched in 2015 and in the fourth season the competition has grown to newer heights, expanding our reach to more than **24 campuses** in and around Mumbai and Navi Mumbai (even Pune), reaching over 3500 + students . Each teams tack social problems and build working technology solutions for these problem statements in 3 months.

The 4th season had 67 teams (over 250 students) which used latest cutting edge technology to try and solve problems in the space of Sanitation and Public wellbeing under the following themes:

Theme 1: Open Defecation Free India.

In line with the vision of our Hon. Prime Minister to make India Open Defecation Free (ODF), teams competed to plan capacity for public toilets in urban slums, looking at using sensors to check on the cleanliness and hygiene of these toilets and also look at incentivizing change in behavior of citizens to help India achieve its Open Defecation free Status. To do this teams leveraged cutting edge technologies like Internet of Things, Machine Learning and Artificial Intelligence etc.



Capacity Planning for Public Toilets (CPT)



Public Toilet Health Check (PHC)



Utilization of Public Toilets (UPT)

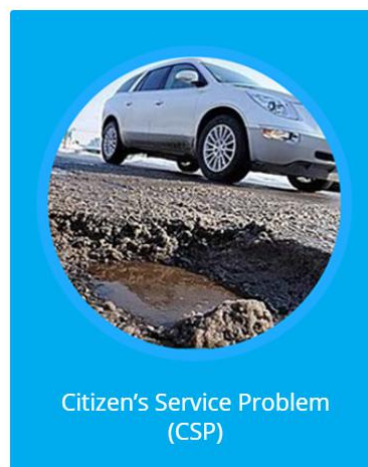
Theme 2: Garbage Segregation and Plastic Ban.

In line with the vision of our Hon. Prime Minister for Swatch Bharat, teams worked to create technology which will support local bodies to identify how effectively garbage segregation is being done by communities by analyzing picture of garbage dump. Teams analyzed images of garbage and litter to identify manufacturers who are producing plastic packaging which is polluting the environment, an enabler to make manufacturers accountable in India's fight against plastic. Students leveraged cutting edge tech like Image Processing, Machine Learning, Artificial Intelligence and Neural Networks to help India take a step ahead towards Swatch Bharat.



Theme 3: Pothole Detection.

Under this theme teams used technology to identify severity, number, location and depth of potholes to create an effective means for reporting this citizen's issue and tracking it to closure.



Participation Details:

Colleges Participated	24
Registrations from PCE	30 Teams
Level 1 (Selection in Round 1)	10 Teams
Level 2 (Selection in Round 2)	07 Teams

**Project Deep Blue Season 4 Finale was held on
17th February 2019
at K. J. Somaiya Institute of Engineering and Information Technology
from 5 pm to 8.30 pm.**





PCE Team Details

Team Sr.	Team ID	Member Sr.	Names	Year	Branch	Topic	Project Status	Recognition
1	CSP18	1	Sumesh Shetty	Final	IT	Citizen Service Problem CSP	Completed	Super Team (Top 20)
		2	Atul Patil	Final	IT			
		3	Apurva Patil	Final	IT			
2	GPP2	1	Ronak Suresh Karani	Third	IT	Garbage Profiling Problem GPP	Completed	Super Team (Top 20)
		2	Akshay Chavan	Third	IT			
		3	Abhishek Dixit	Third	IT			
		4	Tejas Choudhari	Third	IT			
3	PWP11	1	Ajay S Yadav	Final	Electronics	Plastic Waste Profiling PWP	Completed	Super Team (Top 20)
		2	Komal Bisht	Final	IT			
		3	Shubhum Yelange	Final	Electronics			
		4	Vignesh Kumar	Final	Electronics			
4	PWP13	1	Akshata Govind Nevrekar	Final	Computer	Plastic Waste Profiling PWP	Completed	Super Team (Top 20)
		2	Shubhangi Karunesh Pandey	Final	Computer			
		3	Fenny Bhupat Zalavadia	Final	Computer			
		4	Priyanka Prabhakar Pachpande	Final	Computer			
5	PWP14	1	Kritika Shah	Final	IT	Plastic Waste Profiling PWP	Completed	Super Team (Top 20)
		2	Gourav Prajapati	Final	IT			
		3	Saylee Pawar	Final	IT			
		4	Shivam Upadhyay	Final	IT			
6	PWP5	1	Aditi Sharma	Final	IT	Plastic Waste Profiling PWP	Completed	Super Team (Top 20)
		2	Himanshu Sen	Final	ELec. & Telecom.			
7	PWP16	1	Prathamesh N Patade	Final	Computer	Plastic Waste Profiling PWP	Completed	(Top 67)
		2	Tejas Desai	Final	Computer			
		3	Susmitha Nadar	Final	Computer			
		4	Hitesh Joshi	Final	Computer			