

## Interdisciplinary Student Research projects

Academic Affairs and Monitoring Committee of Shyam Lal College under convenorship of Dr. Kusha Tiwari and mentorship of Prof. Rabi Narayan Kar, Principal started Interdisciplinary Student Research projects in August 2018. 13 research projects proposals were received from students across different courses. The details of the proposals received are as follow:

S.No	Project Title	Students Name	Course	Budget	External funding/Collaboration	Result/Outcome
1.	Parivartan	Harshit Arora	B.Com(P) IIIrd year	Approx. Rs.85 per Product	1. Pooja-Worship of humanity, Krishna Nagar 2. I Love my city, Faridabad	Product from plastic waste
2.	Herbal Water	1.Amritanshu 2.Akriti Soni 3.Atul 4.Gulshan 5.Sweta jha	B.Com(P)	Rs.25000	NA	Herbal Water
3.	Vertical Garden	1.Deepnshu Aggarwal 2. Himanshu Goel 3.Ritik Saini	B.Com(H)	1.5 L	NA	Utilization of Space and increasing the greenary
4.	Biomedical waste Management in India	1.Mansi Chaudhary 2.Versha Verma	B.Com(P)	1000	NA	Safe and effective management of waste
5.	Generation of Electricity from rain water	Shivam	B.Com(P)	13,700	NA	Generation of Electricity from rain water

6.	Biometric Attendance	Shubh Chawla	B.Com Ist year	--	NA	Transparency
7.	Air Pollution Sensor	1.Mahima Sharma 2.Kanchan Bhatt 3.Mohit khasha	B.Sc(Phy. Sc) Electronics	Rs. 14,600	NA	Low cost electrochemical sensor to Measure air pollution
8.	T shirt Printing	Anish Arora	B.Com(H) Ist year	Rs. 1L	NA	Printed T shirt
9.	Food Follow	Anshaj Gupta	B.Com(H) IInd year	Rs. 7L	NA	Food Delivery Business
10.	Sustainable energy	R-vignesh	B.Com (H) 2 <sup>nd</sup> year	Aprox. 1lakh	NA	Clean energy &public awaerness
11.	Electricity from waste	Chahat Gupta	B.Com(H) 1 <sup>st</sup> year	----	NA	-----
12.	Gas leakage detector with SMS & sounds Alerts	Tanisha Dixit	B.Sc physical sciences (computers)	7600	NA	Prevention from accidents due to gas leakage and improvement in security of houses in the country
13.	Automated Railways crossings	Mansi	B.Sc physical sciences	----	Approx Rs. 1900	System contribute benefits to road safety

All the 13 teams were called for the first round of selection happened in the last week of September 2018, in which 15 minutes were allotted to each team for presenting their idea. After the first round, best 5 proposals were shortlisted which included: *Project Parivartan*, *Vertical Garden*, *Automated Railways crossings*, *Gas leakage detector with SMS & sounds Alerts* and *Food Follow*. The second round of final shortlisting was held in October 2018, in which the committee invited Prof. Debasis Dash, Senior Principal Scientist, Institute of Geonimics & Integrative Biology (CSIR) as the expert judge. The students presented their proposals before him with models. After presentation they also operated the working models that they had created. Prof. Dash asked the project teams to showcase their idea and also explain its workability in detail. The interaction with all the five teams went on for close to 3 hours. Prof. Dash appreciated the efforts and innovative ideas of all the teams. Out of 5 shortlisted proposals, three project proposals - *Parivartan*; *Food Follow*; *Gas Leakage Detector* were selected on the

recommendation of Prof Debasis Dash, to be taken to the next level and be funded by the committee towards completion. The teams further worked on their models and practically implemented some ideas in the college itself. It was decided by the AAMC team to further expand the initiative of the interdisciplinary projects and involve other centers and cells to send in their teams with project proposals for better exposure to the talent of the students.

**Pics:**

<https://www.facebook.com/photo/?fbid=1340343249754632&set=pcb.1340344259754531>