

List of Papers presented during Exhibition:

Project Name	Mentors Name	Students Name	Course
Use of Quadruplex Binding Ligands Against Prion Diseases	Prashant Pradhan	Purva Abhijit Nayak	B.Sc.(H) Biomedical Science III Yr
Compartmental Model for Traffic Congestion	Dr.Sarita Agarwal	Pushkar Pandey Kunal Pant	B.Sc.(H) Mathematics II Yr
Isolation and Characterization of Mycobacteriophages from soil and in-vitro analysis of phage derived recombinant endolysins against <i>Mycobacterium smegmatis</i> .	Dr. Urmi Bajpai.	Ritam Das	B.Sc. Life Sciences III Yr
Mathematical Sketch of Symmetric Group of Degree 5	Dr.Sarita Agarwal	Ajay Gupta Vipul Mishra Mahak Gupta	B.Sc.(H) Mathematics III Yr
RFID Based Attendance System	Dr. Anju Agrawal Mr. Dinesh Kumar	Aditya Kumar Gagan	B.Sc.(H) Electronics III Yr
Isolation and Characterization of Novel Mycobacteriophages from the soil	Dr. Urmi Bajpai.	Garima Kalakoti	B.Sc. Life sciences III Yr
To ascertain the most efficient working hours of the faculty in Acharya Narendra Dev College (ANDC) with in the frame work of 9AM to 4PM.	Dr. Sunita Jetly Dr. Archana Pandey	Aatiruddin Khan Alisha Ansari Muskan Gupta	B.Sc.(H) Bio Medical Science II Yr
Online Ranking of Educational Websites	Dr. Sharanjit Kaur	Prakhar Agrawal Shubhang Upadhyay	B. Sc. Physical Science with Computer Science III Yr
Real Time Passenger Counting System (R.T.P.C.S)	Mr. Dinesh Kumar Dr. Anita Kumari	Yash Varshney Abhishek	B.Sc.(H) Electronics II Yr
Gesture Controlled Robot	Dr. Anju Agrawal Ms. Gauri Ghai	Phulender Pushkar Baranwal	B.Sc.(H) Electronics II Yr

Arduino based Solar tracking system	Dr. Udaibir Singh Mr. Dinesh Kumar	Prahlad Prajapat Ankita Shukla	B.Sc.(H) Electronics II Yr
Piezoelectric Energy Harvesting System	Dr. Ravneet Kaur Ms. Gauri Ghai.	Avinash Kumar Lal Abhishek Bhadana	B.Sc.(H) Electronics III Yr
Magnetic Resonant Anti-Collision System	Dr. Ravneet Kaur Ms. Gauri Ghai.	Reya Negi Lalit Shukla	B.Sc.(H) Physics III Yr B. Sc.(H) Electronics II Yr
Data Transfer Through CPU Fan	Dr. Ravneet Kaur Ms. Gauri Ghai.	Anurag Saxena	B.Sc.(H) Electronics II Yr
Creation of Online Repository of Ciliates of Delhi Region, India	Dr. Seema Makhija Dr. Ravi Toteja Dr. Preeti Marwaha Dr. Harita Ahuja	Rishabh Jain Shubham Khari Jaya Vishal Kumar	B.Sc. Physical Science with Computer science III Yr B. Sc. Life Sciences II Yr
Android App Development (Attendance App)	Dr. Harita Ahuja Dr. Preeti Marwaha Ms.Gunjan Rani	Shivani Saxena Priyanka Rishabh jain	B.Sc. Physical Science with Computer science II Yr
A Computer Application for Editing Multiple Image Document	Ms.Vandita Grover	Prince Sharma Ankit Negi	B.Sc.(H) Electronics III Yr
Electrostimulation in Plants	Dr. Ravneet Kaur Ms. Gauri Ghai.	Kunal Sharma Praval Bisht Lalit Upreti	B.Sc.(H) Electronics III Yr
Quartz Crystal Microbalance (QCM) based biosensing	Dr. Arijit Chowdhuri Dr. V. Bhasker Raj	Anudeep A. S. Viren Tyagi Amrit Dutta	B.Sc.(H) Physics II Yr
Assessment of Plants Health By Estimation of Water content, Ascorbic acid and Chlorophylls	Dr Charu Khosla Gupta Dr Yash Mangla	Mansi Arora Harshvardhan Gupta Bhashkar Paul Kumud Kaul	B.Sc.(H) Biomedical Science II Yr
Isolation of native <i>Caenorhabditis elegans</i> and used them as bio-indicator for soil toxicity	Dr. Sarita Kumar	Simran Gupta	B.Sc. Life Sciences III Yr
Determination of Ambient Air Pollution (AAP) through estimation of chlorophyll content	Dr. Arijit Chowdhuri Dr. Charu Khosla Gupta Dr Yash Mangla	Nitish Kalson Heena Nizam	B.Sc. Life Sciences II Yr

EDTA Modified Chitin for Heavy Metal Ion Adsorption From Waste Water	Dr. Geetu Gambhir Dr. Sunita Hooda	Narain Swami Ravina Yadav Drashya	B. Sc. Life Sciences II Yr B.Sc.(H) Chemistry
Synthesis of graphene oxide, and its modification using polysaccharide for water purification	Dr. Geetu Gambhir Dr. Sunita Hooda	Manisha Gupta Narain Swami Drashya	B.Sc. Life Sciences III Yr
To extract the colored component of <i>Hibiscus rosa-sinensis</i> flower and study its potency as a pH indicator	Dr. Neeti Misra Dr. Pankaj Khanna Dr. Kavita Mittal	Kirti Chugh Ramandeep Ishika Sagwal	B.Sc.(H) Chemistry III Yr B.Sc.(H) Chemistry I Yr B.Sc.(H) Chemistry I Yr
Effect of sonication on graphite and graphene oxide (GO)	Dr. Sunita Hooda Dr. Geetu Gambhir	Meghna Singh Sneha Mahar Drashya	B. Sc. Life Sciences III Yr
Detection of Adulterants in Milk from Different Sources and Synthesis of Metal Complexes of Schiff Bases using Sonication	Dr. Neeti Misra Dr. Pankaj Khanna Dr. Kavita Mittal	Harshita Madaan Saatwik Suman	B.Sc.(H) Chemistry II Yr
Text to Speech Converter	Dr. Ravneet Kaur Ms. Gauri Ghai.	Aditya Raj Singh	B.Sc.(H) Electronics III Yr
<i>Moina</i> : A Prospective Model Organism to study Parkinson's Disease	Dr. Sarita Kumar	Amit Babu Akhila A	B.Sc.(H) Biomedical Science III Yr
<i>Drosophila melanogaster</i> : A potent model organism for advanced studies in behavioural science	Dr. Sarita Kumar	Komal Kotra Maryada Arya	B.Sc.(H) Zoology II Yr B.Sc. Life Sciences II Yr
Effect of diet on the growth and haemolymph protein profile of <i>Helicoverpa armigera</i> .	Dr. Sarita Kumar	Vatsal Bhargava Parikshit Sahotra Harshita	B.Sc.(H) Zoology II Yr B.Sc.(H) Zoology II Yr
Quantitative analysis of water from different source for concentration levels of different pollutants	Dr. Arijit Chowdhuri Dr. Charu Khosla Gupta Dr Yash Mangala	Payal Singh Ankita Negi	B.Sc. Life Sciences II Yr
Surface Plasmon Resonance (SPR) – a tool to detect change in refractive index.	Dr. Arijit Chowdhuri Dr. Charu Khosla Gupta Dr. Archana Pandey	Tamanna Sudeepta Singh Sansi Bansal Sarang Saini	B.Sc. (H) Biomedical Science II Yr

CELL PHONE DETECTOR	Dr. Anju Agrawal Ms. Gauri Ghai	Avinash Kumar Lal Abhishek Bhadana Shashank Nagar Anmol Dogra	B.Sc.(H) Electronics III Yr
Physicochemical and Biological Analysis of Leachate from Okhla Landfill	Dr. Ravi Toteja Dr. Seema Makhija Dr. Pooja Bhagat	Pranjal Sharma Deepika Joshi	B.Sc.(H) Zoology III Yr
Isolation and characterization of macronuclear DNA of ciliates	Dr. Ravi Toteja Dr. Seema Makhija	Ruchika Bhardwaj Deepanshu Vats Rajanshi Mishra Naeem Ahmed Shushank Mustabin Ahmed	B.Sc. Life Sciences III Yr B.Sc. Life Sciences II Yr B.Sc.(H) Zoology II Yr
Identification of cysteine rich domains in the ciliate, <i>Tetmemena</i> using systematic bioinformatics tools	Dr. Ravi Toteja Dr. Seema Makhija	Ankush Singh Khushboo Dalal	B.Sc. Life Sciences II Yr
A study on the process of regeneration in ciliate, <i>Tetmemena sp.</i>	Dr. Ravi Toteja Dr. Seema Makhija Dr. Pooja Bhagat	Harshvardhan Sahu Vanya Garg Khushboo Garg	B.Sc (H) Chemistry III Yr B.Sc (H) Zoology (Pass Out)
Investigating the effect of Cadmium and ethidium bromide on DNA using Surface Plasmon Resonance (SPR) technique	Dr. Arijit Chowdhuri Dr. Charu Khosla Gupta Dr. Seema Makhija Dr. Ravi Toteja	Chaitanya Raj Senjuti Sengupta	B.Sc.(H) Physics (Pass Out) B.Sc.(H) Zoology (Pass Out)
Molecular markers for Authentication of Highly Traded Controversial Medicinal Plants in India: A Compilation	Dr. Sumit Sahni Dr. Vineet Kumar Singh Dr. Manoj Kumar Singh	Radhika Verma Sakshi	B.Sc. Life Sciences III Yr
A Review of Lignin degradation and its Bioconversion	Dr. Sumit Sahni Dr. Manoj Kumar Singh	Chetna Kalpana	B.Sc.(H) Botany III Yr

Computational analysis of natural antagonists for design of anti-thyroid drugs	Dr.Gagan Dhawan	Ashwin Uday	B.Sc.(H) Biomedical Science III Yr
Smartphone To Digital Microscope	Dr Amit Garg	Pritika Kwatra	B.Sc.(H) Biomedical Science I Yr
Using the Arduino for the experimental determination of a friction coefficient by movement on an inclined plane.	Dr Amit Garg	Avinash Kumar Lal Tripti Varshney	B.Sc.(H) Electronics III Yr B.Sc.(H) Physics II Yr
Voice Controlling Car	Dr Amit Garg	Abhishek	B.Sc. (H) Electronics II Yr
Li-Fi- Sound Transmission using LED lights	Dr Amit Garg	Devesh Yadav	B.Sc. Physical Science with Computer Science I Yr
Laser based footfall counter	Dr Amit Garg	Prahlad Prajapat Jaya	B.Sc.(H) Electronics II Yr B. Sc. Physical Science with Computer Science
Smart Mirror	Dr Amit Garg	Prince Sharma Aqil Ali	B.Sc.(H) Electronics III Yr
Assistive Gadgets for visually impaired students	Dr Ravneet Kaur Ms Gauri Ghai	Ritesh Raj Chiradeep Das	B.Sc.(H) Electronics (Pass Out)
Synthesis of Zinc Oxide Nanoparticles from <i>Ficus Religiosa</i>	Dr Gagan Dhawan Dr Satender Singh	Muskan Jindal Astha	B,Sc(H) Biomedical Science III Yr B,Sc(H) Biomedical Science II Yr