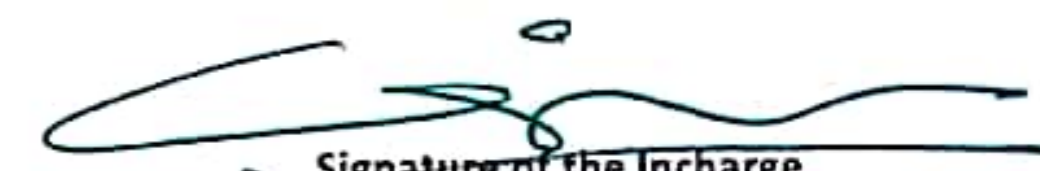


4.Details of Field work and field survey					
Academic Year 2021-22					
College:GDCW,Nalgonda,Department:Mathematics					
S.No.	Date	Place of the visit	Departments involved		
1	16-12-2021	Bharat Dynamics Limited	Mathematics,Physics & Computerscience		


 Signature of the Incharge
 Department of Mathematics
 Govt. Degree College for Women
 Nalgonda.



GOVT. DEGREE COLLEGE FOR WOMEN, NALGONDA

Department of Mathematics

Report of Field trip

Defense Products and Technology Exhibition Tour

Bharath Dynamics Limited, Kanchan Bagh, Hyderabad.

Department of mathematics in cooperation with Department of physics and computer science has organized a field trip to one of India's prestigious defense equipment manufacturer Bharath Dynamics Limited, Hyderabad to physical science students on 16-12-2021. From this visit students understood how different types of missiles developed in India and their working. This tour is highly inter disciplinary.

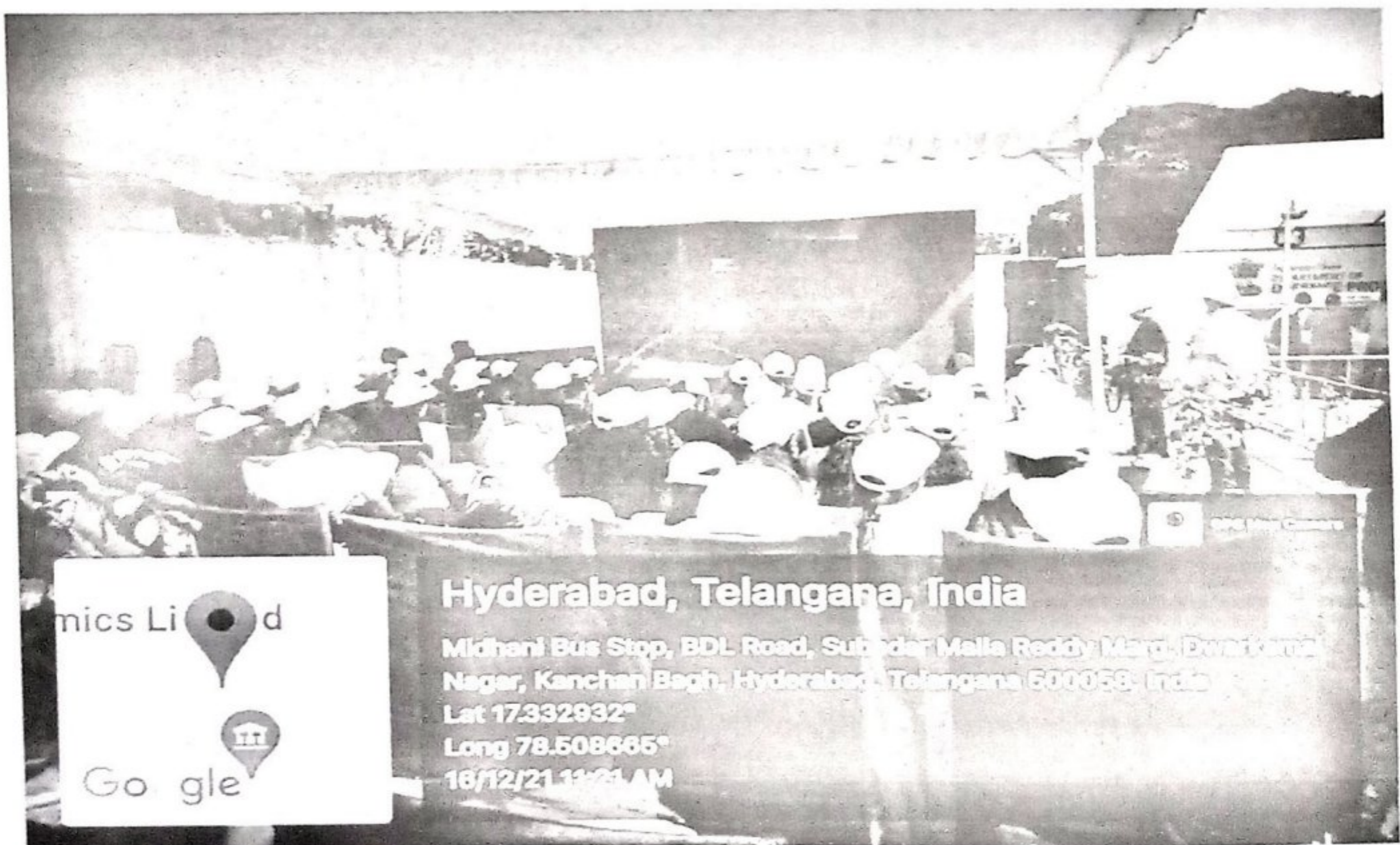
Bharath Dynamics Limited is a world-class enterprise producing international standard quality products for the defense industry. It manufactures aerospace & underwater sophisticated weapons to provide solutions to the security system needs of the country. BDL headquartered in Hyderabad in 16 July, 1970. BDL has been working in collaboration with DRDO & foreign Original Equipment Manufacturers (OEMs) for manufacture and supply of various missiles and allied equipment to Indian Armed Forces. Today, BDL has evolved as one among the few industries in the world having state-of-the-art facilities for manufacture and supply of Guided Missiles, Underwater Weapons, Air - borne products and allied defense equipment for the Indian Armed Forces. The Company also offers Product Life Cycle Support and Refurbishment / Life Extension of vintage Missiles.

To commemorate 75 years of India's Independence (**Azadi Ka Amrit Mahotsav**), BDL Organizing a products exhibition from 13-12-2021 to 19-12-2021, Honorable Rakshana Mantri. Sri. Rajnath Singh Inaugurated virtually at 75 locations throughout the nation, BDL is one among them. As a part of these celebrations, we have received an invitation to visit BDL exhibition about defense products and technology on 10.12.2021. We have sent a notice to all the students about the exhibition and importance of products. We have received huge response from students. Almost 70 students enrolled their names for tour. On 13-12-2-21, we have sent a mail to deputy general manager BDL regarding appointment letter to visit the exhibition along with the list of participants. We have received reply on the same day stating that our college was given slot on 16-12-2021 morning session to visit exhibition.

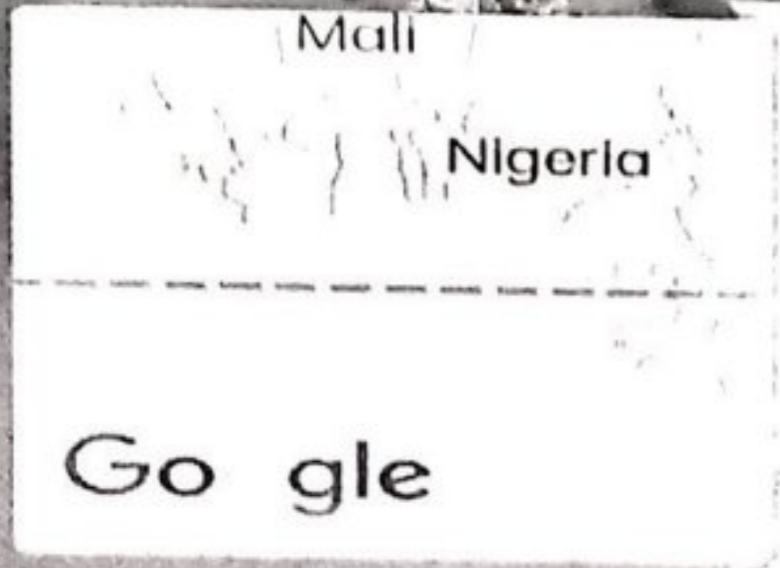
On 14-12-2021 we requested principal sir through a letter stating that kindly support the tour by sparing travel charges and permission to visit BDL. Honorable principal sir kindly responded and sanctioned an amount of 15,600 rupees towards the bus fare. Same informed to students and asked to take the No Objection letter from their parents to visit this exhibition.

On 16-12-2021 morning 8.30 AM we started journey to BDL exhibition tour with 67 students and 7 faculty members (List is enclosed in next page). We reached BDL, Kanchan Bagh at 11.00 AM. BDL team first explained the work what they are doing from the beginning with the help of Power point presentation. They also explained the basics of the missiles which were kept for exhibition like surface to surface, air to surface, surface to air, air to air missiles and torpedo and anti-torpedo technology etc... After presentation, students visited the exhibition along with a guide form BDL team, they explained working principle of each missile which was kept in exhibition. Some of the defense products which we have seen in the exhibition are listed below.

ASTRA, MRSAM, INVAR, MILAN 2T, FLAME. KONVRS-M, NAG AMOGA-III TAL. GARUDA STRA. DISHOL, SFD, C-303, VLSRSAM, PRIDVI, CMDS, VARUNASTRA, AKASH etc

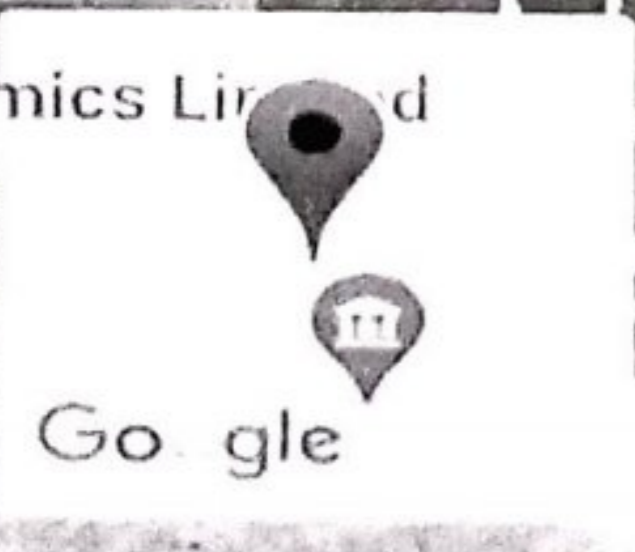


BDL representatives delivering PPT, presentation to students



GPS Map Camera

Nalgonda, Telangana, India
 Panagal Rd, Municipal Quarters Area, Nalgonda,
 Telangana 508001, India
 Lat 17.059432°
 Long 79.27187°
 16/12/21 07:47 AM



GPS Map Camera

Hyderabad, Telangana, India
 Midhani Bus Stop, BDL Road, Subedar Malla Reddy Marg, Dwarka
 Nagar, Kanchari Bagh, Hyderabad, Telangana 500058, India
 Lat 17.33286°
 Long 78.508634°
 16/12/21 11:55 AM

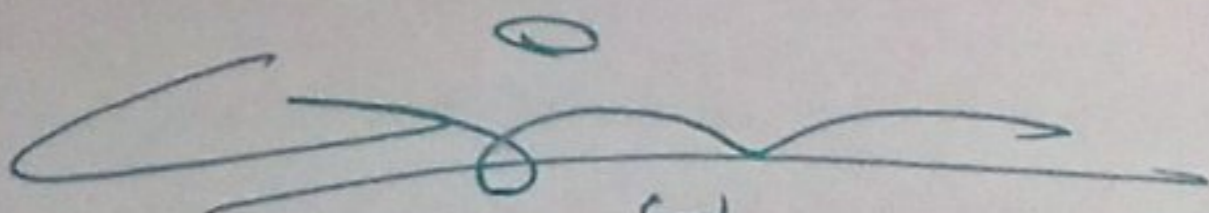
Akash missile in the back ground

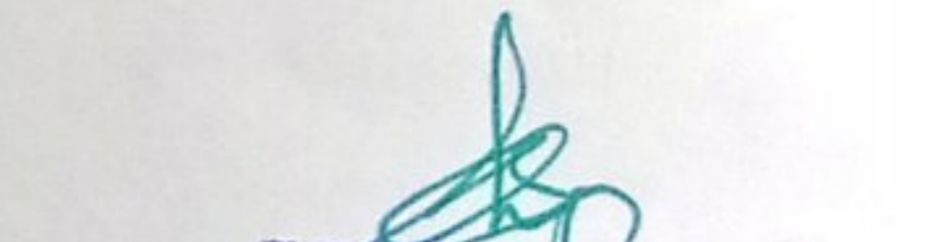


Group photo of the students and faculty at the BDL

Following Faculty members accompanied students in the tour.

S.No.	Department	Names of the faculty members
1	Mathematics	1.K. Venkateshwarlu 2.L. Saritha
2	Physics	1.CH. Bixamaiah 2.Y. Sridhar Reddy 3. Sudarshan Reddy
3	Computer Science	1.T. Naveela


 In-charge Department of mathematics
Department of Mathematics
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Nalgonda.


PRINCIPAL
 Principal
Govt. Degree College for Women
 Ramagiri, NALGONDA