

# Jankidevi Bajaj College of Science, Wardha

Autonomous College

A Linguistic Minority College

Reaccredited 'A' Institution (CGPA 3.21), NAAC (UGC), Bangalore

College with Potential for Excellence, UGC, New Delhi

Star College Scheme by DBT Govt. of India, New Delhi

Ranked 88th by NIRF, Ministry of HRD, New Delhi

Office/Fax : (07152) 230515

Admn. Off. : (07152) 241696

Library : (07152) 255070

E-mail : jbsciencewardha@yahoo.co.in

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Jamnalal Bajaj Marg,  
Civil Line

Wardha - 442 001 (Maharashtra)

Uni. College No. : 802

Jr. College No. : 07-01-003

Date 31/01/2018

Ref No. J.B.C./ /2017-2018

To,

Mr. Vivek Mehrotra,

Vice president, H.R.

Uttam Galva Metallics Ltd.,

Bhugaon Link Road, Wardha.

Dear Sir,

We are highly obliged to you and team of "Uttam Galva Metallics Ltd., Bhugaon Link Road, Wardha" for organizing industrial visit of P.G.(Chemistry) students of our college. Our students and faculty definitely get benefitted by this visit. We hope same cooperation from you in future also.

With regards

*Bealil*  
**Head Incharge**  
Department of Chemistry  
I. B. College of Science  
WARDHA

Yours Faithfully,  
*[Signature]*  
Dr. Om A. Mahodaya  
**Principal,**  
(Principal) Baja  
College of Science, Wardha.

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Jamnallal Bajaj Marg,  
 Civil Line  
 Wardha – 442 001 (Maharashtra)  
 Uni. College No. : 802  
 Jr. College No. : 07-01-003  
 Date : 25/01/2018

Ref No. J.B.C./ /2017-2018

To,  
 Mr. Vivek Mehrotra,  
 Vice president, H.R.  
 Uttam Galva Metalics Ltd.,  
 Bhugaon Link Road, Wardha.

Subject: Educational tour to your esteemed organization.

Sir,  
 Jankidevi Bajaj College of Science, Wardha was founded in 1962 by Shiksha Mandal Wardha, which imparts Science education to more than 1500 students from Junior college to Ph.D. At present, our college is an autonomous college with linguistic minority status.

Sir, about 35 students of M.Sc Chemistry are interested to visit your esteemed industry particularly research laboratories and sophisticated instrumentation centre. Three staff members would also accompany them.

We shall be highly obliged if you permit us to visit your institute and convey the date of visit on 19<sup>th</sup> or 20<sup>th</sup> December 2017.

Contact Person : Dr. P.V.Tekade ([pradiptekade@gmail.com](mailto:pradiptekade@gmail.com), 9422556608/9673459736)

Thanking you.

*Pradipta*  
 Head / Incharge  
 Department of Chemistry  
 J. B. College of Science  
 WARDHA

Yours Faithfully,  
 Dr. Om A. Mahodaya  
 (Principal)  
 Jankidevi Bajaj  
 College of Science, Wardha.

JANKIDEVI BAJAJ COLLEGE OF SCIENCE, WARDHA (AUTONOMOUS)

P.G.DEPARTMENT OF CHEMISTRY (SR. COLLEGE)

INDUSTRY ACADEMIA MEET: UTTAM GALVA METALLICS LIMITED, WARDHA

DATE: 25<sup>TH</sup> JANUARY, 2018

### Report

To inculcate Research, idea and to enrich knowledge of students about industrial work for job placement after completion of education, one day educational tour to Uttam Galva Metallica Ltd. Wardha was organized for P.G. students on Wednesday, 25<sup>th</sup> January, 2018. Thirty five students and four staff members visited to Uttam Galva Metallica Ltd., Wardha.

Uttam Galva Metallica Ltd. Wardha is one of the largest manufactures of cold rolled steel and galvanized steel in India. In this industry, the faculty and student visited to Quality Control (Q.C.) Division of Uttam Value Steels Limited (previously known as Lloyds Steel Industries Limited). Security instructor Mr. Amitendra Dwivedi delivered information regarding rules, regulations and safety aspect to the students and faculty. They provided safety helmet and Leather shoes to students and faculty. In QC division, we visited to following NABL Aggregated Laboratories.

1. Chemical Laboratory
2. Polishing Laboratory
3. Spectral Laboratory
4. Physical Laboratory
5. Q.C. Workshop
6. Environmental Laboratory

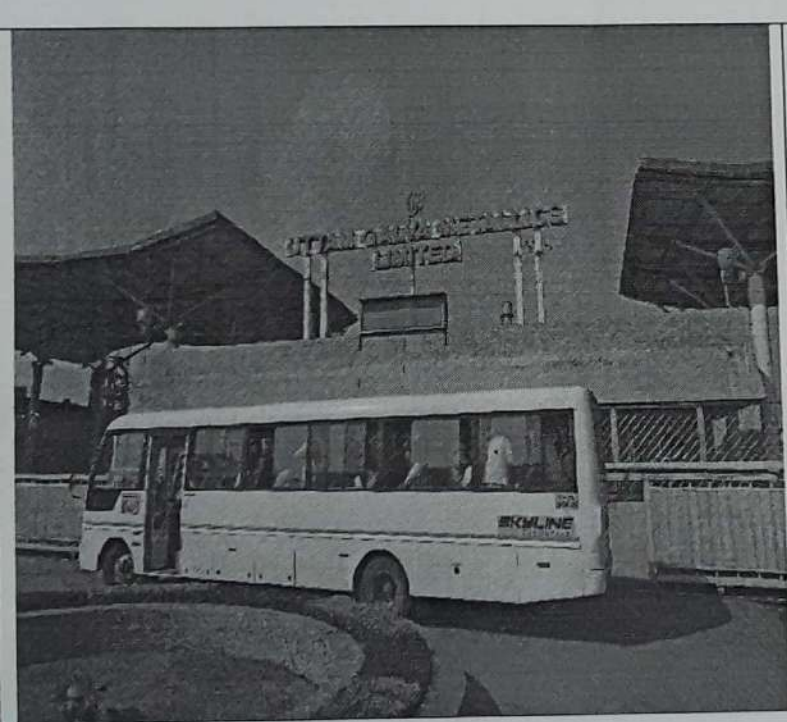
In Chemical Lab. Mr. K. Wadtkar demonstrated the strohlein apparatus. This apparatus is used to determine carbon and sulphur in metallic alloy. Information about tubular furnace, fume hood and operation procedure of macro weighting balance was also provided.

In Polishing lab, Mr. K. Wadtkar gave information about utility of polishing machine. This machine is utilized for the preparation of cube material of metallic alloy, required for the spectral analysis of metal alloy. In spectral laboratory, Mr. Wadtkar gave the demonstration and information about working and principle of Spectro Analytical Instrument. This instrument is

utilized for the analysis of various elements such as Sulphur, Nitrogen, Hydrogen, and Oxygen etc. in Metallic alloy.

Mr. Gosh gave information about Physical laboratory regarding different parameters i.e. Tensile strength, Compressive and Bend Properties, Impact test, Bending and Folding, Metal susceptibility in high and low temperature etc. Mr. Gosh demonstrated different types of physical testing Machine such as Rocked Hardness testing, Universal testing machine, Impact testing machine, Bending and folding machine and Erichsen Cupping Machine. He also gave information about handling and utility of liquid nitrogen for determination of strength capability of metal at low temperature. In Q.C. workshop, the instructor gave information of preparation of metal job for physical testing. We have collected information related to air and water pollution in the Environmental Laboratory and related to the test parameters to analyze various types of water and air pollutants released from the industry.

This tour enriched the knowledge of students about Industry and working of various sophisticated Instruments.



**Visit to Uttam Galva Metallics Limited, Wardha**



Demonstration of Metal Polishing in Polishing Lab.



Demonstration of Physical Lab. Instruments



Demonstration in Chemical Lab. and Spectra Lab.

*Seal*

H.O.D

Head Incharge  
Department of Chemistry  
Department of Chemistry  
J. B. College of Science  
WARDHA

*[Signature]*

Co-ordinator

Co-ordinator  
P.G. Department of Chemistry  
P. G. Department of Chemistry  
J. B. College of Science, WARDHA