

EXTRACT FROM

**PROSPECTIVE AND CHALLENGES ON INDUSTRIAL
ATTACHMENT
(CASE STUDY ON TEN FINAL YEAR INDUSTRIAL ATTACHMENT
REPORTS SUBMITTED TO THE DEPARTMENT OF
MECHANICAL ENGINEERING, 2009 TO 2013)**

**SUBMITTED BY:
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30th July, 2014**

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**COURSE OBJECTIVES OF INDUSTRIAL
ATTACHMENT:**

- To explore academic knowledge in the respective industries.
- To become familiarised with the contemporary industrial condition of industries in Nepal.

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**FOLLOWING STEEPS WILL BE FOLLOWED FOR
THE INDUSTRIAL ATTACHMENT:**

- Students collect information of the industries inside Nepal.
- An Industrial Attachment Committee of faculties will be formed to consulate student.
- Student groups of common interest for selected industry will be formed. Normal group size is four students in a group.
- Formal letter will be sent to the respective industries for providing Industrial Attachment of one month duration Asoj and Kartic, Nepalese calendar.

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**FOLLOWING STEEPS WILL BE FOLLOWED FOR
THE INDUSTRIAL ATTACHMENT contd.:**

- Group will be for proceed follow up process if the industry accept for the attachment.
- If any of the applied Industry did not accept for the attachment, it has to apply for another industry until get approval for the industry.
- Brief introduction will be conducted by the Industrial Attachment Committee. Committee. It will provide different steep to be performed by the students during the attachment.

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STUDENT ARE ADVISED TO STUDY:

- General introduction or profile of the industry
- Management Structure
- Infrastructure of the industry
- Machines and its components
- About their product and output
- Perform research task allocate to them

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STUDENT ARE ADVISED NOT TO PERFORM:

- Violate Rules and laws of the respective industries
- Activities that directly or indirectly harm industrial environment

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OTHER POINTS:

- Each group has to be present for thirty working days.
- The person responsible has to evaluate the performance of the student and send evaluation form allowing with student's attendance to the department.
- After completing the Industrial Attachment. Each group has to submit reports in the prescribed format to the department. Schedule for submission of report and presentation will be announced by the department.

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OTHER POINTS:

- Each group has to present half an hour to the Industrial Attachment Committee. Quires and suggestion by the committee will be done. Each group finally submit report incorporating all the suggestion by the committee.
- The evaluation will be fifty to fifty percentages from industrial side and Industrial Attachment Committee.
- Respective industries may be invited during the presentation and final copy report will be provided to the respective industries.

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Student Reports must includes :

- GENERAL INTRODUCTION OF INDUSTRY
- MANAGEMENT OF INDUSTRY
- MACHINE COMPONENTS UNDER STUDY
- WORKS ASSIGNED
- CONCLUSION AND DISCUSSION
- REFERENCES
- PHOTO

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Table 2.1: List of Industries conducted for Industrial Attachments for 2009 to 2013

S.NO.	Name of Industries
IA-1-2009	Avia Club, Pokhra
IA-2-2009	Buddha Air, Kathmandu
IA-3-2009	Coca Cola Pvt. Ltd., Balaju
IA-4-2009	Gorakhkali Tires
IA-5-2009	Hulas Steel Pvt Ltd
IA-6-2009	Nepal Airlines Corporation
IA-7-2009	Nepal Hydro And Electric Limited
IA-8-2009	Puwakhola Hydropower Plant
IA-9-2009	Sipradi Pvt. Ltd.
IA-10-2009	Surya Nepal Pvt. Ltd.

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Table 2.1: List of Industries conducted for Industrial Attachments for 2009 to 2013 Contd.

IA-11-2009	Tilganga Eye Hospital
IA-12-2009	Varun Beverages Pvt. Ltd.
IA-01-2010	Middle-Marsyangdi Hydropower Plant
IA-02-2010	Machhapuchhre Metal And Machinery Works Pvt. Ltd.
IA-01-2011	Kia Motors Pvt. Ltd.
IA-02-2011	Bottlers Nepal Limited
IA-03-2011	Balaju Yantra Shala (BYS)
IA-04-2011	United Traders Syndicate Toyota
IA-05-2011	Chilime Hydropower Plant
IA-06-2011	Aarti Strips (P) Ltd

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Table 2.1: List of Industries conducted for Industrial Attachments for 2009 to 2013 Contd.

IA-07-2011	Panchakanya Plastic Industries Pvt. Ltd.
IA-08-2011	Nepal Hydro & Electric Limited
IA-08-2012	E & T Nepal
IA-08-2012	Ford Motors Pvt. Ltd.
IA-08-2012	Mitsubishi Motors
IA-08-2012	Chilime Hydropower Pvt. Ltd.
IA-08-2012	Hetauda Cements Pvt. Ltd.
IA-08-2012	Grande' International Hospital
IA-08-2012	Morang Autoworks Pvt. Ltd.
IA-08-2012	Kulekhani II HPP

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Table 2.1: List of Industries conducted for Industrial Attachments for 2009 to 2013 Contd.

IA-08-2012	DDC
IA-08-2012	Nepal Hydro And Electric Ltd.
IA-08-2012	Hulas Motors
IA-08-2012	Kaligandaki Hydropower
IA-08-2012	Toyota Workshop, Koteswor
IA-1-2013	United Trader Syndicate (P. Ltd)
IA-2-2013	Gorkha Brewery Private Limited
IA-3-2013	Jagadamba Steels Pvt.Ltd Simara, Bara
IA-4-2013	Power Tech Nepal Pvt. Ltd.
IA-5-2013	Nepal Hydro And Electric Company

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Table 2.1: List of Industries conducted for Industrial Attachments for 2009 to 2013 Contd.

IA-6-2013	Cream Hydel Private Limited, Butwal
IA-7-2013	Laxmi Steel Pvt. Ltd"
IA-8-2013	Devighat Hydropower Plant
IA-9-2013	Chilime Hydropower Plant
IA-10-2013	Sipradi Trading Pvt. Ltd
IA-11-2013	Continental Trading Enterprises
IA-12-2013	Surya Nepal
IA-13-2013	Kaligandaki Hydropower Plant
IA-14-2013	E&T, Nepal (A)
IA-15-2013	Microtech M&E
IA-16-2013	E&T, Nepal (B)

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ANALYSIS OF INDUSTRIAL ATTACHMENT REPORT SUBMITTED TO THE DEPARTMENT:

- The industrial reports presented to the department of mechanical engineering have categorised in different groups. There are mainly two categories according to mode of organizations, one **type is owned by the Nepal government or semi government other is completely owned by private owner.** The report and observation shows that it is better to perform the attachment in the privately owned industries
- Among the private industries, there are **production types and service types.** Some industries perform services and give production. Both of these service industries and production industries are worthy to perform the industrial attachment according to previous experiences.

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EVALUATION OF INDUSTRIAL ATTACHMENT:

- There are series of evaluation criteria in this regards. During the attachment the person assigned take full responsibility to evaluate the student in the attachment. The person assigned need to fill a evaluation sheet Annex 1.1 and submitted to the department confidently.
- The evaluation will be fifty to fifty percentages from industrial side and Industrial Attachment Committee.

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5.1 Evolution format for industrial attachment

Industrial Attachment
EVALUATION SHEET

Full Marks: 50

S.N.	Name of the Student	Attendance (10)	Motivation (15)	Subject Matter (25)	Total (50)
1					
2					
3					
4					
5					

NAME OF THE INDUSTRY:
OFFICIAL INCHARGE NAME:
OFFICIAL STAMP:

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Sample Evolution Industrial Attachment from Industrial Side, 2009 in Mechanical Engineering Department, Pulchowk Campus, Pulchowk, IOE, TU, Nepal:

Tribhuvan University Pulchowk Campus Mechanical Engineering Department						
Sample Evaluation of Industrial Attachment from Industrial Side						
Roll No.	Students' Name	Industrial Attached	Attendance	Motivation	Subject Matter	Total
			FM:10	FM:15	FM:25	FM:50
063/BME/601	Aleana Gongal	Hulas Steel				
063/BME/602	Amrit Aryal	Bottler Nepal				
063/BME/603	Grishma Manandhar	Surya Nepal				
063/BME/604	Anuj Bista	Buddha Air				
9/11/2015 063/BME/605	Atmesh Poudyal	Ilam (Puwa M...)				20

Sample Evolution Industrial Attachment from Mechanical Engineering Department Side, 2009 in Mechanical Engineering Department, Pulchowk Campus, Pulchowk, IOE, TU, Nepal:

Tribhuvan University
Pulchowk Campus
Mechanical Engineering Department

Sample Evaluation Marks of Industrial Attachment from Department of Mechanical Engineering Side

Roll No.	Students' Name	Industrial Attached	Report Submitted	Knowledge of Industries and Mechanical Components	Performance of work	Presentation skill and Oral Viva	Total
			FM:20	FM:10	FM:10	FM:10	FM:50
063/BME/601	Aleana Gongal	Hulas Steel					
063/BME/602	Amrit Aryal	Bottler Nepal					

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THANK YOU

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