



K S INSTITUTE OF TECHNOLOGY

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Kanakapura Main Road, Raghuvanahalli, Bengaluru-560109

INDUSTRY INSTITUTE INTERACTION CELL (IIC)

Date: 4th July 2023

To,
The Principal
K.S. Institute of Technology
Bengaluru-560109



Subject: Requesting permission for **Industrial visit** to BAIL, Bangalore
Through Dr. Umashankar M. Head of the Department, ME

Respected Sir,

As stated in the above subject, Industry-Institute Interaction Cell (IIC-KSIT) in association with Department of Mechanical Engineering is planning for industrial visit to Bangalore Aircraft Industries Ltd (BAIL) on **7th of July 2023**. The purpose of this visit is to understand the design aspects and methodologies used for testing aircraft components. Mechanical Engineering students from 2nd and 4th semester, along with the faculties will be joining the visit.

Mr. Girish, Co-founder & Director of BAIL has accepted our visit request and provided slot i.e. between 10.00AM – 4.00PM on said date. Email communications are enclosed here for kind perusal.

Kindly permit us to visit BAIL on 7th July 2023 and thus oblige.

Thanking you.

Yours faithfully

11/7/23

Prof. Rajesh G.L.
Member Convener-IIC,
KSIT

MEMBER CONVENER
Industry Institute Interaction Cell (IIC)
K.S. INSTITUTE OF TECHNOLOGY
Bengaluru - 560109

4/7/23

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560109

5/7/23

Dr. Umashankar M
Head-ME, KSIT
Head of the Department
Dept. of Mechanical Engg.
K.S. Institute of Technology
Bengaluru - 560 109.



KSIT INDUSTRY INSTITUTE INTERACTION CELL <ksit_iic@ksit.edu.in>

Requisition for Industrial Visit; Reg

Fri, Jun 16, 2023 at 2:26 PM

KSIT INDUSTRY INSTITUTE INTERACTION CELL <ksit_iic@ksit.edu.in>

To: girish@bailindia.com

Cc: umashankarm@ksit.edu.in, hodmech@ksit.edu.in

Dear Girish sir,

Greetings from K.S Institute of Technology, Bengaluru,

As per our telephonic conversation, I hereby confirm the industrial visit to your esteemed organization on **6th July 2023** at your convenient time. 30 students along with 3-4 professors will be part of the visit positively.

Kindly confirm the visit date and thus oblige.

Thank you

With regards,

Prof. RAJESH G.L, M.TechMember Convener, Industry Institute Interaction Cell (IIC) &
Assistant Professor, Department of Mechanical Engineering,

K.S Institute of Technology, Bengaluru 560062 Karnataka.

Cell: +91-9916468891

Website: <https://ksgi.edu.in/>

4:43 AM

K.S. Institute Of Technology Mail - Requisition for Industrial Visit - Reg

 Gmail

KSIT INDUSTRY INSTITUTE INTERACTION CELL <ksit_iic@ksit.edu.in>

Requisition for Industrial Visit; Reg

Girish K E <girish@bailindia.com>

Thu, Jun 22, 2023 at 11:23 AM

To: KSIT INDUSTRY INSTITUTE INTERACTION CELL <ksit_iic@ksit.edu.in>

Cc: umashankam@ksit.edu.in, hodmech@ksit.edu.in

Dear Prof. Rajesh,

Hereby **it is confirmed from BAIL** for the Industrial visit by your team of students & Faculties.

Date of visit: 06th July 2023

Time: 10:00 AM to 4 PM.

Please make sure that all the visitors are at BAIL premises by 09:45 AM

Thanks & Regards



K E Girish

Mob: 09845383493

Off: 08024487213

www.bailindia.com



7/21/23 (Wed)



KSIT INDUSTRY INSTITUTE INTERACTION CELL <ksit_iic@ksit.edu.in>

Requisition to reschedule industry visit - Reg

Wed, Jul 5, 2023 at 1:10 PM

KSIT INDUSTRY INSTITUTE INTERACTION CELL <ksit_iic@ksit.edu.in>

To: Girish K E <girish@bailindia.com>

Cc: umashankarm@ksit.edu.in, hodmech@ksit.edu.in

Dear Girish sir,

Greetings of the day

As discussed over the phone, I request your goodself to reschedule industry visit to 7th of July 2023 between 10.00AM to 4.00PM. Kindly confirm the same.

Thanks & Regards

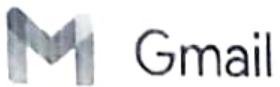
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Prof. RAJESH G.L., M.TechMember Convener, Industry Institute Interaction Cell (IIIC) &
Assistant Professor, Department of Mechanical Engineering,

K.S Institute of Technology, Bengaluru 560062 Karnataka.

Cell: +91-9916468891

Website: <https://ksgi.edu.in/>



KSIT INDUSTRY INSTITUTE INTERACTION CELL <ksit_iic@ksit.edu.in>

Requisition to reschedule industry visit - Reg

Wed, Jul 5, 2023 at 1:55 PM

Girish K E <girish@bailindia.com>

To: KSIT INDUSTRY INSTITUTE INTERACTION CELL <ksit_iic@ksit.edu.in>

Cc: umashankarm@ksit.edu.in, hodmech@ksit.edu.in

Hello Prof. Rajesh,
We will have the visit on 07th July 2023 as discussed.
Please the visit accordingly.

Thanks & Regards



K E Girish

Mob: 09845383493

Off: 08024487213

www.bailindia.com



[Quoted text hidden]



KSIT INDUSTRY INSTITUTE INTERACTION CELL <ksit_iic@ksit.edu.in>

Requisition to reschedule industry visit - Reg

KSIT INDUSTRY INSTITUTE INTERACTION CELL <ksit_iic@ksit.edu.in>

Wed, Jul 5, 2023 at 2:29 PM

To: Girish K E <girish@bailindia.com>

Cc: umashankarm@ksit.edu.in, hodmech@ksit.edu.in

Dear Girish Sir,

Thank you for rescheduling the visit.

I apologize for the inconvenience caused from our end.

Further, I hereby confirm that students along with faculties will be visiting your esteemed organisation on 7th July 2023 before 9.45AM positively.

Thank you.

(23-07-2023)





K. S INSTITUTE OF TECHNOLOGY, BENGALURU

14, Kanakapura Main Road, Raghuvanahalli, Bengaluru, Karnataka - 560109

INDUSTRY INSTITUTE INTERACTION CELL (IIC)

Date: 04-07-2023



CIRCULAR

Industrial Visit for 2nd & 4th Semester MECH Students

Industry Institute Interaction Cell (IIC) in association with Department of Mechanical Engineering has planned for Industrial Visit to Bangalore Aircraft Industries Ltd (BAIL), Aerospace Park KIADB, B. Marenahalli, Kavadedasarahalli Bengaluru on 7th of July 2023.

2nd and 4th Semester Mechanical students are informed to assemble in college bus parking area at 8.30AM sharp.

Note: All students should wear **uniform** and college **ID card** without fail.

Prof. Rajesh G.L

Member Convener - IIC

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Industry Institute Interaction Cell (IIC)
K.S. INSTITUTE OF TECHNOLOGY
Bengaluru - 560109

Dr. Umashankar M

Prof & Head - ME

Head of the Department
Dept. of Mechanical Engg.
K.S. Institute of Technology
Bengaluru - 560 109.

Dr. Dilip Kumar K

Principal, KSIT

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.

CC TO:

- Class teachers of ME a) 2nd Sem:
- b) 4th Sem:
- IIC Coordinators

ME



K.S. INSTITUTE OF TECHNOLOGY, BENGALURU

INDUSTRY INSTITUTE INTERACTION CELL (IIIC)

Attendance for Industry Visit to Bangalore Aircraft Industries Ltd (BAIL) held
on 7th July 2023

Branch: Mechanical Engineering (2nd and 4th Semester)



Sl. No	USN	Name	Signature
1	1KS22ME402	Jadhav. Karthik	
2	1KS21ME004	Harish Kumar.k	
3	1KS21ME006	EKANATH.N	
4	1KS21ME007	Nithin Kumar.P	
5	1KS21ME008	Pavan.k	
6	1KS21ME001	A. Ashwini Basha	
7	1KS21ME005	manoj T.S	
8	1KS22ME405	T. Manoj	
9	1KS21ME009	Pavan Kumar.H	
10	1KS22ME400	Deepak.k	
11	1KS21ME003	Hemanth.H	
12	1KS21ME010	Rajesh Kumar N.G	
13	1KS22ME403	Junidhi.S.B	
14	1KS21ME011	Ronit Kumar.S	
15	1KS22ME401	DINAKAR. D.M	
16	1KS22ME404	Syed Muzammil	
17	1KS22ME002	Abhishek. K.R	
18	1KS22ME005	Rakesh Gowda.S.R	
19	1KS22ME001	Vijeth Byreddoor	
20	1KS22ME004	Nithin Kumar	
21	1KS22ME003	Gandhi Karish	
22	1KS22ME009	Theerun S	
23	1KS22ME007	Shobha.H.S.	

MEMBER CONVENER
 Industry Institute Interaction Cell (IIIC)
 K.S. INSTITUTE OF TECHNOLOGY
 Bengaluru - 560109



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Kanakapura Main Road, Raghuvanahalli, Bengaluru-560109

INDUSTRY INSTITUTE INTERACTION CELL (IIC)

Date: 23rd June 2023

To,
The Principal
K.S. Institute of Technology
Bengaluru-560109



Subject: Requesting transport arrangement for Industrial visit to BAIL, Bangalore
Through Dr. Umashankar M, Head of the Department, ME

Respected Sir,

As stated in the above subject, Industry-Institute Interaction Cell (IIC-KSIT) in association with Department of Mechanical Engineering is planning for industrial visit to Bangalore Aircraft Industries Ltd (BAIL) on 7th of July 2023.

In connection with this, I request your goodself to provide transport facilities from KSIT campus to BAIL at 9.30AM.

Thanking you.

Yours faithfully

Handwritten signature
23/06/23
+ 200 Rs
Received
Ramana
[RAMANA]
Transport Dept.

Handwritten signature
23/06/23

Prof. Rajesh G.L

Member Convener-IIC,
KSIT

Forwarded to Secretary
Handwritten signature
27/6/23

Handwritten signature
24/6/23

Dr. Umashankar M

Head-ME, KSIT

Head of the Department
Dept. of Mechanical Engg
K.S. Institute of Technology
Bengaluru - 560109

Handwritten signature
23/6/23

MEMBER CONVENER
Industry Institute Interaction Cell (IIC)
K.S. INSTITUTE OF TECHNOLOGY
Bengaluru - 560109



K.S. INSTITUTE OF TECHNOLOGY, BANGALORE – 560109



INDUSTRY INSTITUTE INTERACTION CELL
&
DEPARTMENT OF MECHANICAL ENGINEERING

REPORT ON INDUSTRY VISIT TO
“BANGALORE AIRCRAFT INDUSTRIES PVT LTD, BENGALURU”

Date of Visit: 7th July 2023

Industry address: BAIL, Plot no. 39, Aerospace Park, KIADB, Bangalore - 562129

Time: 9.00AM – 4.00PM

Duration: 6 Hours

Sponsoring Bodies / Associating Organization: NA

Brief about the Industry:

BAIL is a zealous team of engineering professionals aiming to make the Aeronautical Industry in our country self-sustainable. They are continuously striving to achieve outstanding engineering capabilities in Aircraft Engineering focusing on creating the right minded professionals who will manifest themselves as a team to achieve the goal of Aircraft Design and Development. The mission is to Design, build and put civil aircraft in the global market. Run our own air-transportation service using our own designed aircraft, flown by our own pilots, trained in our own pilot training school. BAIL is currently supporting few Govt sector aeronautical engineering organizations by deployment of engineers on- site at these organizations for the execution of various activities in CSIR – NAL, ADA, ADE – DRDO and many more.

Description of the Event:

As per the directions of Dr. Umashankar M, Head - MED, 2nd & 4th Semester ME students assembled in parking area at 8.45AM. The journey towards industry started at 9.00AM with students and faculty in-charge & chief coordinator, IIC – KSIT, Prof. Rajesh G.L; and reached BAIL, Aerospace Park at 11.00AM. Mr. Girish K.E, Co-founder & Director of BAIL and Mr. Nirmal B, Senior Engineer, BAIL welcomed us and outlined about the visit schedule. Initially students are informed to visit “components fabrication section” to understand the process and materials used for manufacturing the various aircraft structures. Mr. Nirmal B explained about the hand layup method used for fabricating aircraft interiors (epoxy and carbon fibre composites). Mr. Girish K.E explored students on material testing of produced aircraft products with the aid of computer assisted UTM which is designed and fabricated by BAIL. Also he explained about design considerations needed for development of aircraft component. The visit ended with vote of thanks by Prof. Rajesh G.L at 3.00PM.

Objectives / Key Highlights:

- Explore the methods of component fabrication used in aircraft industry
- Understand the importance of material testing and design aspects of aircraft structures



Participant details - No. of Participants: 23

Students (internal/external): Internal (2nd & 4th Semester – ME) - 23

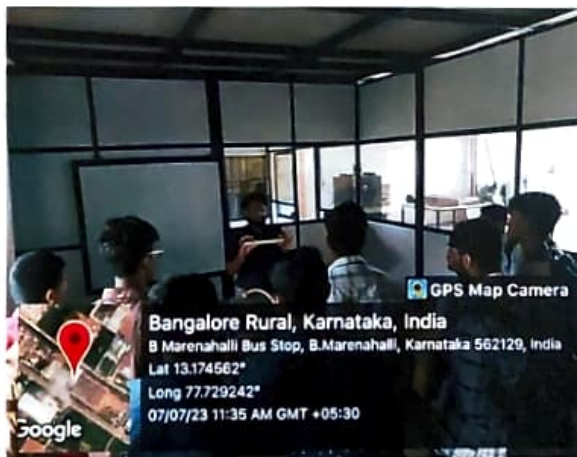
Faculty: Prof. Rajesh G.L, Asst. Prof. MED

Photos (Geo Tagged):



Industry visit to BAIL from KSIT Campus

Mr. Girish K.E briefing about material testing



Mr. Nirmal B explaining hand layup method of producing epoxy reinforced carbon fibre composites



Design consideration explained by Mr. Girish K.E

Visit ended at 3.00PM

Outcomes / Benefits:

- Students understood the fabrication process of aircraft components.
- Explored on design considerations, importance of material testing and factor of safety determination for aircraft modules.

Attachments:

1. Communication with Industry
2. Industry visit circular and transport arrangement request letter
3. Feedback

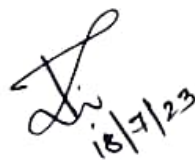
CO/PO&PSO mapping

CO/PO&PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2
Industry visit	-	-	01	-	-	-	-	01	-	-	-	-	01	-
Average	-	-	01	-	-	-	-	01	-	-	-	-	01	-

PO3: Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

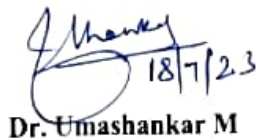
PSO1: Ability to apply concept of mechanical engineering to design a system, a component or a process/system to address a real world challenges



Prof. Rajesh G.L

Chief Coordinator - IIIC

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Bengaluru - 560109



Dr. Umashankar M

Prof & Head - MED

Head of the Department
Dept. of Mechanical Engg.
K.S. Institute of Technology
Bengaluru - 560 109.



Dr. Dilip Kumar K

Principal, KSIT

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.



KSIT

KAMMAVARI SANGHAM (R) - 1952

K. S. GROUP OF INSTITUTIONS

K. S. INSTITUTE OF TECHNOLOGY

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#14, Raghuvanahalli, Kanakapura Road, Bengaluru - 560109

Industry Visit_07-07-2023_Feedback

18 responses

[Publish analytics](#)

Event Date

18 responses

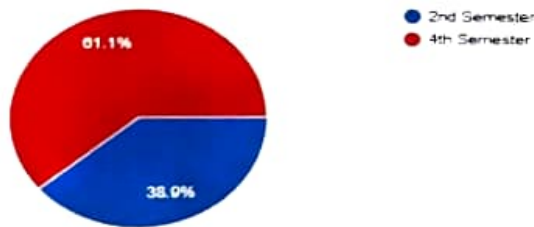
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Branch - ME

18 responses

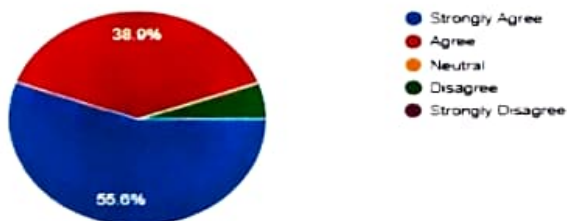
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1 The visit was technology oriented

18 responses

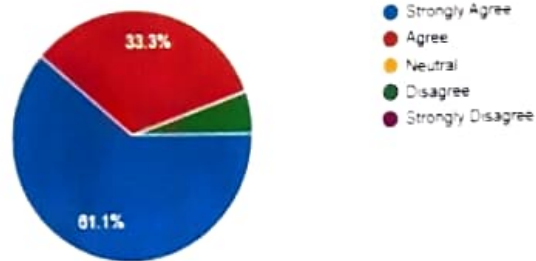
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2 The Resource/Industry person was a good communicator

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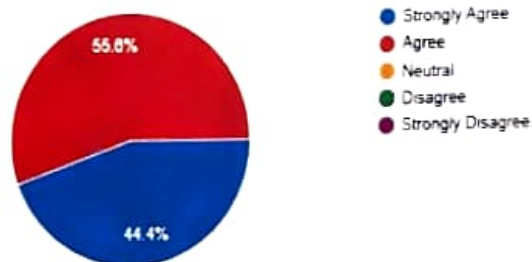
18 responses



3 The program was applicable to my future needs

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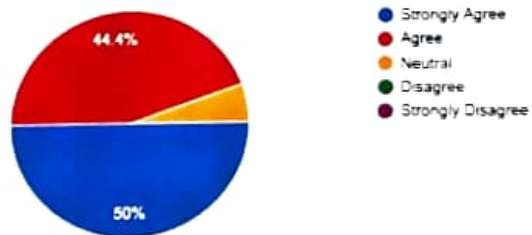
18 responses



4 Enhancement in skills

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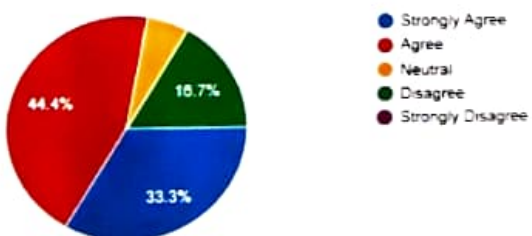
18 responses



5 The program was well placed within the allotted time

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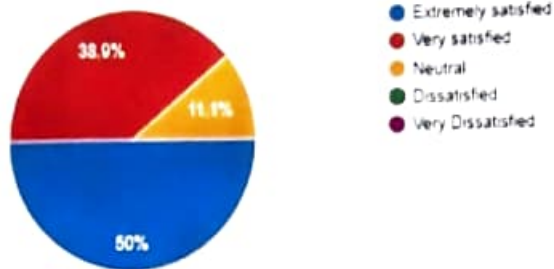
18 responses



6 How satisfied are you about the event?

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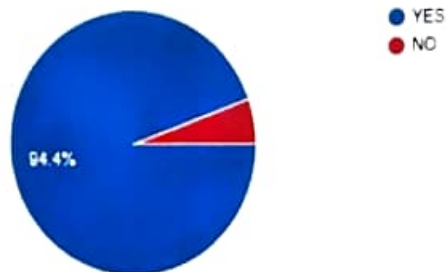
18 responses



7 Would you like to attend similar events in future?

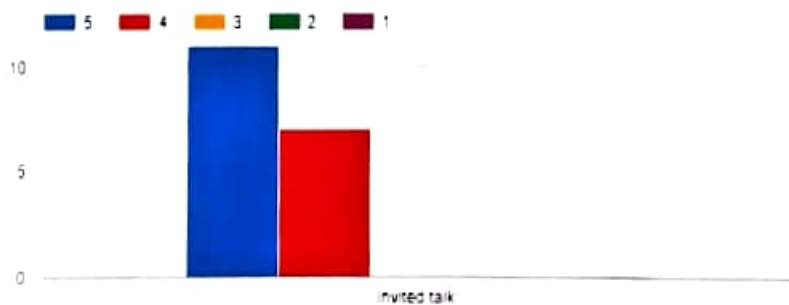
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18 responses



8 Overall Rating of the event

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Google Forms

Handwritten signature and date: 7/7/2023

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Bengaluru - 560109