



**Office of International Relations  
Indian Institute of Technology Kharagpur  
Kharagpur – 721 302**

निदेशक कार्यालय  
DIRECTOR'S OFFICE  
रा./NO.: 4014  
IN 07 DEC 2023  
OUT.  
भा. प्रो. से खड़गपुर  
IIT KHARAGPUR

Ref: 2075/2023/OIR

Date: 30.11.2023

**NOTE**

**Sub: Releasing Call for Warwick Manufacturing Group (WMG) for Summer 2024**

The Warwick Manufacturing Group (WMG) The Warwick Manufacturing Group (WMG) annually invites the Indian Institute of Technology Kharagpur to select a small number of IITKGP students for research internships for 8 weeks (undergrads) and 11 weeks (postgrads) at the University of Warwick. Participants will carry out an individual research project that is related to the degree course for which they are registered and will be co-supervised by a supervisor each at WMG and IIT Kharagpur. The purpose is to develop the research skills of the IITKGP students in an industry-focused environment, encourage collaboration between WMG and IIT Kharagpur encourage the development of nascent research ideas and to build the research profiles of the two Institutes. Each selected student, after spending the summer at WMG, will return to Kharagpur and continue the research with the home supervisor. Last year (2022 nominations for student visits in summer 2023) 9 students were selected for this enriching experience (Flag 1).

This year, the call for application was released at WMG on 03rd Nov with a deadline for application on December 01, 2023. The selected projects for 2024 are expected to be received from WMG on 18.12.2023 (Flag 2) following which a call for students application will have to be released.

A. Requesting your kind approval for sending out the call for the programme to B.Tech 3<sup>rd</sup> year, M.Tech 1<sup>st</sup> year students along with DD 3<sup>rd</sup> year and 4<sup>th</sup> year students.

Enclosures:

1 Student Summary 2023 Summer

2. 2024 Programme: Calendar schedule

*W.K. 30/11/2023*  
IR Executive

*Janardan Venkatesh*  
JA (AA&IR)  
04/12/2023

*EO (AA&IR)*

*AR (AA&IR)*

*Associate Dean AA&IR*

*Dean OR&AA*

*'A' may please be  
approved. D. Shukla*  
06/12/2023

*(A) approved.*

*07/12/2023*



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*for BTech/MTech /DD (3<sup>rd</sup> yr & 4<sup>th</sup> year)*

Requesting your kind approval for sending out the call for the programme.

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2. 2024 Programme: Calendar schedule

*Wijay  
30/11/23*  
IR Executive

*Jaykrishna  
JA (AA&IR)  
Anupama  
EO (AA&IR)  
AR (AA&IR)*

DeanAA&IR

DeanOR&AA

## 2023: Programme Summary of Students

Project title	WMG supervisor	IT supervisor	Student name	Roll number
Sustainability of electric vehicle charging systems	Amruta Joshi Taofeq Ibn-Mohammed	Dr. Dipankar Debnath	Koushik Mondal	22EE61R10 (1st Year MTech)
The fracture mechanism of advanced high strength steels deformed along multiple strain paths.	Sisir Dhara Sumit Hazra Scott Taylor	Prof. Sushanta Panda	Ankit	22ME61R15 (1st Year MTech)
Diagnosis of differential degradation in parallel-connected Li ion cells	Anubhav Singh Anup Barai	Dr. Sreeraj Puravankara	Arpan Ghosh	22MT61R27 (1st Year Mtech)
A critical qualitative analysis of representations of engineers in popular culture: a way to enhance the inclusiveness of engineering education	Lauren Schrock	Prof Susmita Mukhopadhyay	Abhishek Kumar Singh	19HS20002 (4th Year DD)
Study of laser wobble pattern for dissimilar metal micro welding in EV battery assembly	M C Asirvatham Iain Masters	Prof SK Pal	Apoory Abhijit Modak	20QM30005 (3rd Year DD)
Examining student response to use of virtual environment for learning PLC programming	Bilal Ahmad	Prof Susmita Mukhopadhyay	Viraj Madke	19ME31032 (4th Year DD)
Quantitatively characterise HDRI (hydrogen directed reduced iron)	Zushu Li	Prof GG Roy	Tejas Gupta	22MT61R30 (1st Year Mtech)
Laser Welding of Dissimilar Automotive Steel to Aluminium Alloys	Prakash Srirangam	Siddharth Tamang	Anirban Chatterjee	20ME30007 (3rd Year DD)
Rider model using AI-ML for electric motorcycles development	Truong Quang Dinh	Dr.Somnath Sengupta	Smarak Pradhan	19AE30019 (4th Year DD)

## WMG 2024: Broad Program Schedule

Activity	Start date	End date	Responsible
<b>Undergraduate (&amp; dual degree) programme</b>	<b>29 Apr 2024</b>	<b>21 June 2024</b>	<b>BTech 3 years and 3<sup>rd</sup> year DD</b>
<b>Postgraduate programme</b>	<b>29 Apr 2024</b>	<b>12 Jul 2024</b>	<b>Mtech is 1st years and 4<sup>th</sup> yr Dual</b>
Call for project proposals at WMG	3 Nov 2023	1 Dec 2023	<input type="checkbox"/> Supervisors from IIT and WMG
Project selection at WMG	4 Dec 2023	17 Dec 2023	<input type="checkbox"/> WMG management
Student selection at IITKGP	17 Dec 2023	1 Feb 2024	<input type="checkbox"/> IIT supervisors.
UG & PG students to apply to Warwick, IIT Letter of support (all: BTech, DD, MTech)	5 Feb 2024	23 Feb 2024	<input type="checkbox"/> Warwick (Study Abroad), IIT students.
UG & PG students to apply for Visa	26 Feb 2023	26 Apr 2022	<input type="checkbox"/> Warwick Study Abroad and IIT students
Expression of interest for PhD	Nov 2024	Apr 2025	

**WMG Calendar 2023 (After Project Proposals are approved by WMG)**

<b>SL#</b>	<b>Date</b>	<b>Event</b>
1.	Friday 3.11.2023	Call for Project Proposals at WMG
2.	Monday 18.12.2023	Approved list of projects received from WMG along with the names of project supervisors from IITKGP and WMG.
3.	Wednesday 20.12.2023	Poster created by IRC and submitted to KM for approval.
4.	Thursday 21.12.2023	SIRC uploads all project details on the FTP system. SIRC contacts IIT Supervisors to obtain additional information about the project proposals if any is required.
5.	Friday 22.12.2023	SIRC disseminates the poster on social media platforms. Project proposals made open for applications on the FTP Portal.
6.	Saturday 23.12.2022- Sunday 07.01.2023	IITKGP students apply for the projects.
7.	Monday 08.01.2024	Deadline for receiving applications.
8.	Monday 08.01.2024- Thursday 11.01.2024	SIRC prepares databases of the received applications.
9.	Friday 12.01.2024	Applicant details shared with respective IIT supervisors.
10.	Monday 15.01.2024- Thursday 25.01.2024	IIT Supervisors interview students for ranking them and share results with Office of AA&IR
11.	Tuesday –Thursday 30.01.2024 OR 31.01.2024 OR 01.02.2023	IITKGP Selection Committee Meeting DeanOR, Academic Deans, AdeanAA&IR
12.	Monday 05.02.2024	WMG's Dr. Sumit Hazra at International Digital Laboratory to be informed of the selected candidates