

Name: Mr. Suman Karmakar

Department: Mechanical Engineering

Contact Nos.: 9851721345

Qualifications: PhD (Pursuing), ME, BE

Designation: Assistant Professor

VIDWAN ID: 186373



Experience (Teaching / Research / Industry, in years):

Teaching	Research	Industry
9.5 Yrs	1Yr. 5 Month	3 Yrs. 1Month

Date of Joining at the Present Institution: 02/07/2013

Examinations Cleared: NET-CSIR/GATE:

- GATE (GATE Score: 384, All India Rank: 1765, Year: 2006)

Qualifications Summary (Reverse chronological order):

Degree	Institute	From - To	Subjects
PhD (Pursuing)	Jadavpur University	2019-Contd.	Mechanical
ME	BESU Shibpur	2006-2008	Machine Design
BE	NIT Durgapur	2000-2004	Mechanical

Experience Summary (In chronological order):

Sl. No.	Designation	Organization	Date From - Date To
1	Engineer	Jessop & Co Ltd, Kolkata	July 2004 - June 2006
2	Lecturer	Dr. B.C. Roy Engineering College, Durgapur	April 2009- February 2010
3	Project Assistant	CMERI Durgapur	March 2010 -Aug 2011
4	Assistant Manager	Tata Steel Ltd. Jamshedpur	Sep. 2011-Sep2012
5	Assistant Professor	BCET, Durgapur	January 2013 to June 2013
6	Assistant Professor	Dr. B.C Roy Engineering College, Durgapur	July 2013-Contd.

**Specialization/Research Interest: Machine Design/Stress Analysis**

Courses taught:

**B. Tech:**

<b>Theory</b>	<b>Practical</b>
<b>Engineering Mechanics, Engineering Thermodynamics and fluid Mechanics, Strength of Materials, Mechanisms, Maintenance Engineering, Materials Handling</b>	<b>Machine Drawing-I, Machine Drawing-II, Design Practice-I, Applied Mechanics Lab, Advanced Manufacturing Lab</b>

Online Mode of Teaching: Google

Supervision of Ph.D/M.Tech / B.Tech Projects:

**M Tech Project:**

<b>Name of The Student</b>	<b>Roll Number</b>	<b>Project Title</b>	<b>Supervisor</b>	<b>Year</b>
<b>Asif Karim</b>	<b>120201120001</b>	<b>Analysis of arm-flywheel on its strength and deformation</b>	<b>Dr. Chandan Chatterraj and Mr. Suman Karmakar</b>	<b>2013-14</b>

**B Tech Projects:**

<b>Name of The Student</b>	<b>Roll Number</b>	<b>Project Title</b>	<b>Supervisor</b>	<b>Year</b>
<b>Ratul Samanta Panthadeep Mazumder Pritam Sarkar Apolok Banik Debsankha Mukherjee</b>	<b>12000710058 12000710027 12000710046 12000710056 12000710022</b>	<b>Static Analysis of a plate with a hole using ANSYS</b>	<b>Mr. Suman Karmakar</b>	<b>2013-14</b>
<b>Soumen Jana Souvik Karmakar Subodh Dutta Suman Ghosh Sumantra Choudhury</b>	<b>12000711056 12000711057 12000711058 12000711059 12000711060</b>	<b>Power Generation by Stirling Engine</b>	<b>Dr. Subrata Samanta and Mr. Suman Karmakar</b>	<b>2014-15</b>
<b>Abhishek Roy Abhishek Singh Abinash Kumar Adarsh Kumar Aditya Raj Akashdeep Kumar Akhilesh Kumar Yadav</b>	<b>12000712100 12000712101 12000712102 12000712103 12000712104 12000712105 12000712106</b>	<b>Static Analysis of a Bicycle Frame</b>	<b>Mr. Suman Karmakar</b>	<b>2015-16</b>

Vipul Raj Gupta Warish Zafar Prasun Singh Abhishek Karmakar Aishwarya Mukherjee	12000713123 12000713124 12000713125 12000713126 12000713127	Study of Stress Analysis of a plate with Central Circular Hole Using Ansys	Mr. Suman Karmakar	2016-17
Md Huzafia Md Meel Hussain Md Nisar Md Sahid Ansari Md Taslim Akhter Md Asif Khan Mohan Kumar Mukund Kumar Neeraj Kumar Nehal Ahmed Siddiquee Nilay Kumar Nitin Kumar Kishra	12000714052 12000714053 12000714054 12000714055 12000714056 12000714057 12000714058 12000714059 12000714060 12000714061 12000714062 12000714063	Buckling Analysis of Laminated Composite Plate Using ANSYS	Mr. Suman Karmakar and Mr. Arnab Choudhury	2017-18
Rakesh Ranjan Ramananda Bera Ranjeet Kumar Singh Ravi Raj Mishra Rishav Kumar Ram Ritu Raj Rohit Mallick Rohit Rao Roshan Kumar Roshan Kumar Roy Rupsa Ghose Sachin Kumar Sagar Bharti	12000715079 12000715080 12000715081 12000715082 12000715083 12000715084 12000715085 12000715086 12000715087 12000715088 12000715089 12000715090 12000715091	Study of Finite Element Analysis and ANSYS	Mr. Suman Karmakar	2018-19
SOUMAVO CHATTERJEE SONU KUMAR PANDEY SHYAMAL KUMAR MANDAL SHUBHRA JYOTI BISWAS SHUBHANKAR GUPTA SOURABH KUMAR GHOSH SHIVAM KUMAR SHASHI SINGH SHASHANK SHEKHAR SHAILESH THAKUR SAYAN PAUL SAYAN KUMAR BAG SAURABH KUMAR SARWARE ALAM SARFARAJ RAHMATULLAH	12000716062 12000716063 12000716064 12000716065 12000716066 12000716067 12000716068 12000716069 12000716070 12000716071 12000716072 12000716073 12000716074 12000716075 12000716076	Calculation of Heating Load for Air Conditioning	Mr. Suman Karmakar and Mr. Pobitra Kr. Mondal	2019-20

SANTOSH KUMAR	12000716077			
ANKIT MISHRA	12000717113	SOLAR COOKER	Mr. Suman Karmakar and Mr. Pobitra Kr. Mondal	2020-21
ANKIT KUMAR	12000717114			
ALEKH RAJ	12000717121			
OMPRAKASH KUMAR	12000717079			
NARENDRA KUMAR TUDU	12000717082			
GUNJAN KUMAR SINGH	12000717099			
SUBRATA GHOSH	12000718006			
AKASH DAS	12000717122			
BAIJNATH TUDU	12000717106			
ARYAK CHATTERJEE	12000717109			
AQIB ANJUM	12000717111			
ABHISHEK KUMAR	12000717127			

Participation in seminar/conference/symposium/workshop/discussion meeting:

Seminar	Duration	Year	Organized By
Seminar on "Advances in Welding Technology",	One Day	2015	Dr. B.C Roy Engineering College, Durgapur
Technology of Innovation	One Day	2017	Dr. B.C Roy Engineering College, Durgapur

Participation in faculty development programmes

Faculty Development Programme (FDP)	Duration	Year	Organized By
Theory of Composite Shells	8 week	2021	NPTEL
Auto CAD	6 week	2021	INTERNSHALA TRAINING
Fundamentals and Applications of Computational Fluid Dynamics in Fluid-Thermal Systems	5 days	2021	Department of Mechanical Engineering, NIT Silchar, Sponsored by AICTE

Webinar organised: "3D Exposure and Project Work using Solidworks" on 26<sup>th</sup> July 2021

Participation in administrative committees (selected):

- NBA (Mechanical); Member, 2019-Contd.

Membership of professional bodies:

- Member of International Association of Engineers (IAENG)
- Member of International Association of Computer Science and Information Technology (IACSIT)