

Faculty Information and Contributions

Faculty members are very qualified with M.Tech./Ph.D. degrees, actively participating in Teaching-learning, Research & Consultancy. Also, they contribute to corporate life of the \university by taking responsibility for looking after students' hostels as Provost/Warden(s), maintaining discipline in the capacity of Assistant/Deputy/Chief Proctor, Director (Academic), Director (Research), Advisor to the students etc.

RESEARCH AND DEVELOPMENT

Publications:

	2015-16		2016-17		2017-18	
Department	Academic research publications	Impact Factor	Academic research publications	Impact Factor	Academic research publications	Impact Factor
Civil Engineering	42	36.87	52	35.69	74	11.64
Mechanical Engineering	66	28.905	78	36.258	83	109.104
Electrical Engineering	90	-	70	-	91	-
Electronics & Communication Engg	33	33.491	36	21.94	75	65.625
Computer Engineering	27	-	41	-	36	-

Research Projects:-

	2018-19		2017-18		2016-17		2015-16	
Department	Sponsored research (figure in lakh)	Research lab	Sponsored research (figure in lakh)	Research lab	Sponsored research (figure in lakh)	Research lab	Sponsored research (figure in lakh)	Research lab
Civil Engineering	113.87	7	113.87	6	113.87	6	113.87	6
Mechanical Engineering	260	5	73	5	73	3	73	3
Electrical Engineering	44.76	4	2.5	4	33.64	4	215	4
Electronics & communication Engineering	20	5	20	5	7	5	7	5
Computer Engineering	-	4	40	4	-	4	-	4

Research Scholars:-

Department	2015-16			2016-17			2017-18		
	Books/ Chapters	PhD enrolled	PhD awarded	Books/ Chapters	PhD enrolled	PhD awarded	Books/ Chapters	PhD enrolled	PhD awarded
Civil Engineering	-	7	1	-	21	0	-	26	4
Mechanical Engineering	8	58	7	5	69	2	3	75	2
Electrical Engineering	6	15	19	1	22	12	1	19	14
Electronics & communication Engineering	6	17	7	1	7	1	1	4	4
Computer Engineering	16	4	2	12	7	7	16	5	6

Consultancy & Adjunct Faculty:-

Department	2018-19		2017-18		2016-17		2015-16	
	Consultancy (figure in lakh)	Adjunct Professor	Consultancy (figure in lakh)	Adjunct Professor	Consultancy (figure in lakh)	Adjunct Professor	Consultancy (figure in lakh)	Adjunct Professor
Civil Engineering	-	5	291	5	276	6	380	6
Mechanical Engineering	00	00	00	00	00	2.0	2.0	00
Electrical Engineering	-	-	5.0	3.0	-	4.0	5.7	4.0
Electronics & communication Engineering	38.47	-	38.47	-	38.47	-	38.47	-
Computer Engineering	-	-	3.0	-	-	-	-	-

RESEARCH ACTIVITIES IN DIFFERENT DEPARTMENT

MECHANICAL ENGINEERING

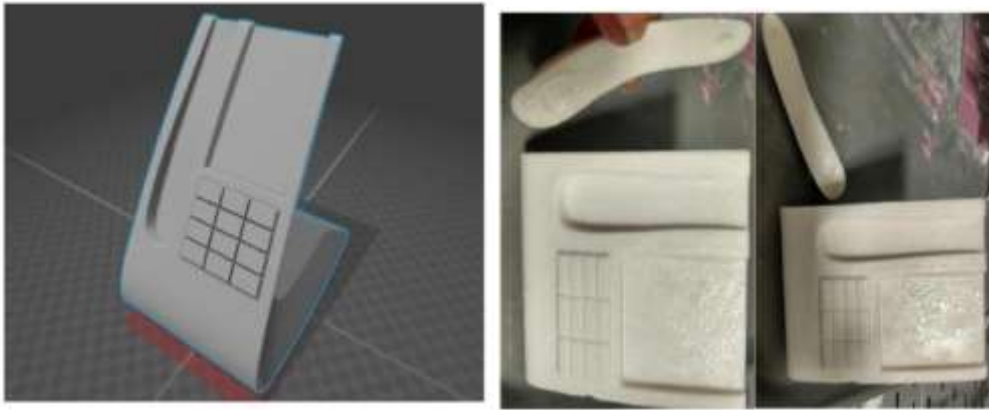


Fig. CAD model and use the CAD model to print the products on the 3D printer



Figure-B.5.8. Some of the large number of working models developed in the department



Figure Friction Stir Welding Fixture for Tailor blank fabrication.

CIVIL ENGINEERING



Hydraulics Laboratory



CAD Laboratory



Structural Engineering Laboratory

Project Laboratory:-

The project laboratory of the department offers the students, the opportunity to gain valuable hands-on experience with state-of-the-art environment where students become proficient in both the physical and creative skills needed in the field of Civil Engineering. The Project Laboratory has a key role in promoting practical learning experience, where students develop creative proposals, and execute their final projects.

Facilities and Utilizations:-

1. A Project is an activity which is planned to meet a particular defined objective undertaken to create a product or system.
2. Project laboratory with the help of above mentioned laboratories is available, where all students have ready access to the facility required for the project work.
3. The primary purpose of the laboratory is to provide the space and resources needed by the students.

ELECTRICAL ENGINEERING



Fig. SCADA and Smart Grid RTDS Laboratory Equipments

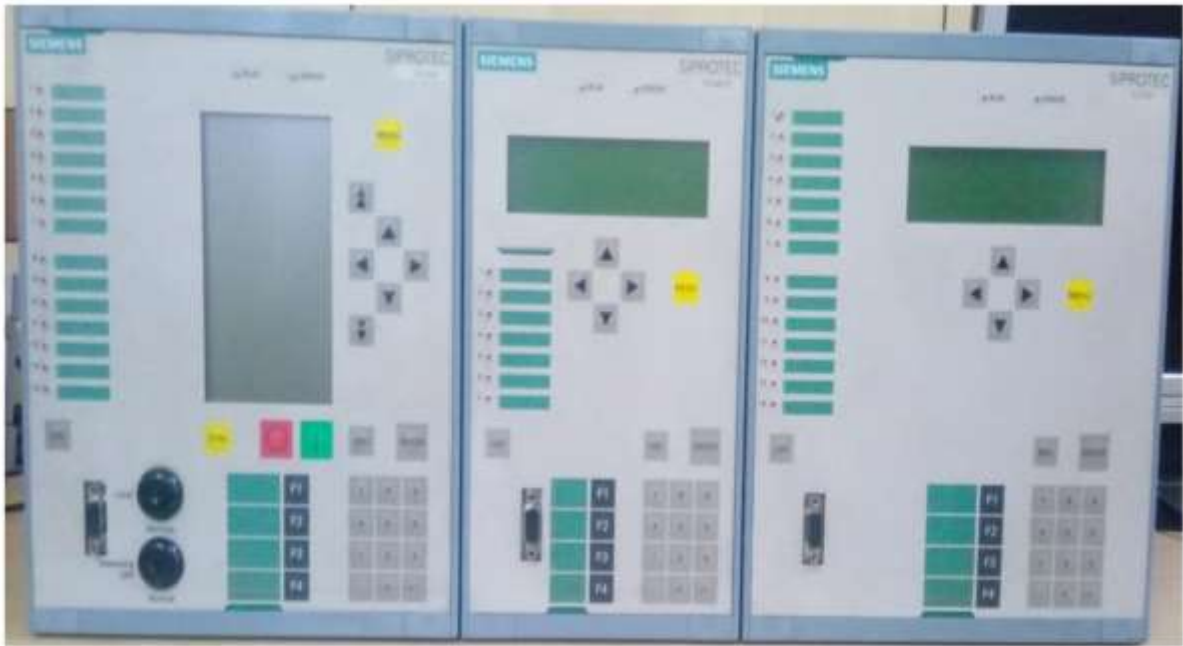


Fig. Relay IED



Fig. High End Leroy CRO



Fig. Thermal Imager

ELECTRONICS & COMMUNICATION ENGINEERING



Fig. Instrumentation and Sensor Lab



Fig. Analog electronics Lab1



Your complimentary
use period has ended.
Thank you for using
PDF Complete.

Click Here to upgrade to
unlimited Pages and Exports

RESEARCH AND INCUBATION CENTRE INSTITUTE OF TECHNOLOGY KANPUR



- HOME
 - ABOUT US
 - INITIATIVES
 - INCUBATEES
 - KNOWLEDGE CENTER
 - APPLY
 - FORMS
 - DOWNLOADS
- LOGIN

INDIAN PATENT FILED BY IIT KANPUR

INTELLECTUAL PROPERTY RIGHTS

INDIAN PATENT FILED BY I.I.T. KANPUR

S.N.	Inventions
1	<p>"Method of preparing magnetic polymer material composites with magnetic and electrically conducting features"</p> <p>Patent Application No. 856/DEL/2000 Dated: 22-09-2000</p> <p>Inventors Name: Prof (http://home.iitk.ac.in/~ssundar/) , S. Sundar Manoharan (http://www.iitk.ac.in/chm/CHM/facultyphysi.htm) , Chem , Manju Lata Rao</p>
2	<p>"Magnetic CrO2 & #8211; Polymer Composite Blends"</p> <p>Patent Application No. 933/DEL/2000 Dated: 22-09-2000</p> <p>Inventors Name: Prof (http://home.iitk.ac.in/~ssundar/) , S. Sundar Manoharan (http://www.iitk.ac.in/chm/CHM/facultyphysi.htm) , Chem</p>
3	<p>"Fixed bed hypersorber and a process for fraction of fluid mixtures using the same"</p> <p>Patent Application No. 705/DEL/2003 Dated: 19-05-2003</p> <p>Inventor Name: Prof (http://www.iitk.ac.in/che/dpr.htm) , D. P. Rao (http://www.iitk.ac.in/chm/CHM/facultyphysi.htm) ,</p>
4	<p>"White light electroluminescence in Zinc complex"</p> <p>Patent Application No. 1774/DEL/2004</p> <p>Inventors Name: Prof (http://home.iitk.ac.in/~ssundar/) , S. Sundar Manoharan (http://www.iitk.ac.in/chm/CHM/facultyphysi.htm) , Chem , Prof. Yashowant N. Mohapatra (http://www.iitk.ac.in/phy/New01/profile_YNM.html) , Physics , Samarendra Singh, Qureshi , Mohammad</p>
	<p>"A novel method to prepare Gamma Iron oxide"</p> <p>Patent Application No. 523/DEL/2001</p>



SCROLL
UP

09-12-2014 16:51

INDIAN PATENT FILED BY IIT KANPUR

PDF Complete
 Your complimentary use period has ended. Thank you for using PDF Complete.
 Click Here to upgrade to unlimited Pages and Expanded Features.

64	"A method for creation of 2 and 3-dimensional micro channels of varied dimensions using replication and molding around a wire". Patent Application No. 1455/DEL/2008 Dated: 18-06-2008 Inventors Name: <u>Dr. Bikramji Basu</u> (http://home.iitk.ac.in/~bikram/) , MME, <u>Dr. Shantanu Bhattacharya</u> (http://home.iitk.ac.in/~bhattacs/) , ME, Rajeev Kumar Singh, PhD scholar, ME.
65	"An improved lateral bipolar junction transistor (BJT) on selective buried oxide (selbox) and a method for manufacturing the same" Patent Application No. 1478/DEL/2008 Dated: 20-06-2008 Inventors Name: <u>Prof. Sundar Kumar Iyer</u> (http://home.iitk.ac.in/ee/faculty/iyersk.shtml) , EE, <u>Prof. S. Qureshi</u> (http://www.iitk.ac.in/ee/faculty/qureshi.shtml) , EE, Sajad A. Lone, Ph.D Student EE
66	"Fabrication of Jute fiber sandwich composites" Patent Application No. 1688/DEL/2008 Dated: 16-07-2008 Inventors Name: <u>Dr. J. Ram Kumar</u> (http://www.iitk.ac.in/me/faculty/ramkumar.html) , ME (http://www.iitk.ac.in/me/people/faculty/smd/prasanthkumar/index.html) <u>P</u> (http://www.iitk.ac.in/me/people/faculty/smd/prasanthkumar/index.html) <u>rof</u> , <u>Prashant Kumar</u> (http://www.iitk.ac.in/me/people/faculty/smd/prasanthkumar/index.html) , ME.
67	"Method for growth of carbon nanocones on carbon fiber(s)/fabric and method of synthesis thereof". Patent No. 1900/DEL/2008 Dated: 12-08-2008 Inventors: <u>Dr. Kamal K. Kar</u> (http://home.iitk.ac.in/~kamalkk/index.htm) ME, SK Ariful Islam, Mr Niranjan Patra PhD students, Mr. Sanjay Dasgupta, Group Director, ISRO.
68	"New Hydroxyapatite and method of manufacture from calcium oxide" Patent No. 1901/DEL/2008 Dated: 12-08-2008 Inventors: <u>Kamal K. Kar</u> (http://home.iitk.ac.in/~kamalkk/index.htm) , ME, Mr. Sumit Kumar, ME
69	"Method for extending life span of an organism and protection against disease" Patent No. 1971/DEL/2008 Dated: 20-08-2008

Feedback

SCROLL UP

09-12-2014 16:51



**INTELLECTUAL
PROPERTY INDIA**
PATENTS/DESIGNS/TRADE MARKS
GEOGRAPHICAL INDICATIONS



सत्यमेव जयते

भारत सरकार
GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE
पेटेंट प्रमाणपत्र
PATENT CERTIFICATE
(Rule 24 of The Patents Rules)

क्रमांक : 011108477
SL No :



पेटेंट नं. / Patent No. : 300009
अर्पण नं. / Application No. : 1478/DEL/2008
अर्पण करने की तारीख / Date of Filing : 20/06/2008
पेटेंटी / Patentee : INDIAN INSTITUTE OF TECHNOLOGY KANPUR

प्रमाणित किया जाता है कि पेटेंटी को उपरोक्त अर्पण में पदावस्थित "AN IMPROVED LATERAL BIPOLAR JUNCTION TRANSISTOR (BJT) ON SELECTIVE BURIED OXIDE (SELBOX) AND A METHOD FOR MANUFACTURING THE SAME" नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपरोक्त के अनुसार अर्पण तारीख 20th day of June 2008 से बीस वर्ष की अवधि के लिए पेटेंट अनुदान किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled "AN IMPROVED LATERAL BIPOLAR JUNCTION TRANSISTOR (BJT) ON SELECTIVE BURIED OXIDE (SELBOX) AND A METHOD FOR MANUFACTURING THE SAME" as disclosed in the above mentioned application for the term of 20 years from the 20th day of June 2008 in accordance with the provisions of the Patents Act, 1970.

INTELLECTUAL
PROPERTY INDIA
PATENTS/DESIGNS/TRADE MARKS
GEOGRAPHICAL INDICATION



अर्पण का क्रमांक : 15/06/2018
Date of Grant :

Dr. Indira
Controller of Patents

ध्यान दें : इस पेटेंट के नवीकरण के लिए अंश, यदि कोई अंश लागू होता है, 20th day of June 2018 से और उसके बाद बीस वर्ष के लिए हर दो वर्षों में।
Note - The fee for renewal of this patent, if it is to be maintained will fall / has fallen due on 20th day of June 2018 and on the same day in every year thereafter.

Patent Certificate

Application Details

APPLICATION NUMBER	201611018596
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	31/05/2016
APPLICANT NAME	DR. SAJAD A.LOAN
TITLE OF INVENTION	POLARIZATION ENGINEERED ENHANCEMENT MODE III-V GROUP BASED DEVICES
FIELD OF INVENTION	PHYSICS
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	sloan@jmi.ac.in
E-MAIL (UPDATED Online)	
PRIORITY DATE	NA
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	09/02/2018

Application Status

APPLICATION STATUS

Application Published

[View Documents](#)

TITLE OF INVENTION

POLARIZATION ENGINEERED ENHANCEMENT MODE III-V GROUP
BASED DEVICES

Application Details

APPLICATION NUMBER	201611004695
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	10/02/2016
APPLICANT NAME	DR. SAJAD A. LOAN
TITLE OF INVENTION	CHARGE PLASMA BASED NORMALLY-OFF/ENHANCEMENT MODE GAN OR III-V ELEMENT BASED MOSFET: A METHOD OF MANUFACTURING THE SAME
FIELD OF INVENTION	ELECTRICAL
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	sloan@jmi.ac.in
E-MAIL (UPDATED Online)	
PRIORITY DATE	NA
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	11/08/2017

Application Status

APPLICATION STATUS

Application Published

[View Documents](#)

Application Details

APPLICATION NUMBER	2743/DEL/2015
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	01/09/2015
APPLICANT NAME	1 . DR.SAJAD A.LOAN 2 . MR.SUNIL KUMAR
TITLE OF INVENTION	A NOVEL METAL SOURCE/DRAIN SCHOTTKY DEVICE BASED DIGITAL CIRCUIT DESIGNING
FIELD OF INVENTION	ELECTRICAL
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	sloan@jmi.ac.in
E-MAIL (UPDATED Online)	
PRIORITY DATE	NA
REQUEST FOR EXAMINATION DATE	17/11/2017
PUBLICATION DATE (U/S 11A)	04/11/2016

Application Status

APPLICATION STATUS

Application Awaiting Examination

[View Documents](#)

Laboratory Facilities and Technical Supports

Department	No. of Laboratories	Technical Support	Project lab	Office Staff
Civil Engineering	9	9	1	4
Mechanical Engineering	20	19	1	4
Electrical Engineering	12	9	1	3
Electronics & communication Engineering	14	10	1	3
Computer Engineering	5	6	1	1

Events on GIAN Program

1. Smart Sensors and Internet of Things
Duration: March 21 – 31, 2016 B: Venue Department of Electrical Engineering, Jamia Millia Islamia
2. Controls for Renewable Energy and Micro grids
This course consists of one module only. May 30–June 4, 2016
3. Advances in Power Electronics & Renewable Energy Sources
Duration: Feb 06 – 10, 2017 B: Venue: Department of Electrical Engineering Jamia Millia Islamia, New Delhi

Conferences and Invited Talks

1. Prof Abdul Mubeen Memorial Lecture-2018
Chief Guest: Prof Furqan Qamar Secretary General, AIU Chaired By Prof Mehtab Alam Dean, F/o Engg.& Tech Monday 26th March, 2018 at 10.30 am. In the Faculty of Engg Auditorium
2. Two Days SEMINAR ON WATER POLLUTION AND HEALTH 27th& 28thJuly 2017, Department of Civil Engineering Faculty of Engineering and Technology.
3. An international workshop on Inclusive Cities is going to be held on 19th & 20th December 2016 at Jamia Millia Islamia, Central University, New Delhi. Prf. Sheila Mitra Sarkar from San Diego State University, California, USA.