

ANNUAL REPORT 2013-2014



Integrating Technology

DEAN OF RESOURCES AND ALUMNI
INDIAN INSTITUTE OF TECHNOLOGY KANPUR

ANNUAL REPORT 2013-14



**DEAN OF RESOURCES AND ALUMNI
INDIAN INSTITUTE OF TECHNOLOGY KANPUR**

Compiled and edited by

Mrs. Babita Lohani

Photo courtesy

Mr. Navneet Kumar, Mr. Sunit Gupta and Mr. Ravi Shukla

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and Alumni

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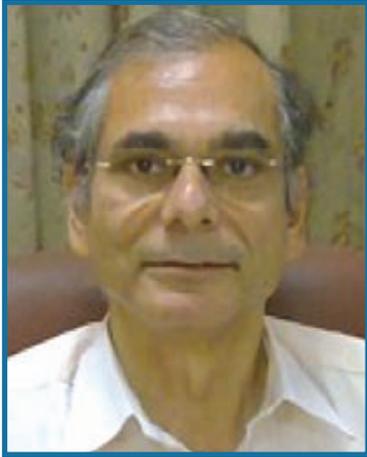
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80

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101

Acknowledgement



From the desk of the Dean, Resources and Alumni

Greetings from the Office of the Dean, Resources and Alumni.

It is my pleasure to post this message in the ninth edition of our Annual Report. Our previous reports have been very well received and we believe that this issue will also be appreciated by you.

Continuing on the theme of Educational Excellence, we are trying to stimulate and make the environment more conducive for research thereby securing a robust future for our students. In tune with this visionary objective, one new Faculty Chair from HAL and one CNR Rao Faculty Award have been introduced this year. Several distinguished alumni and philanthropic organizations have initiated eight new scholarships and several awards and these have been subsequently set up to commemorate the achievements of both faculty and students. More significantly, our alumnus Taranbir Singh (BT/CSE/2006) has started a new Faculty Recruitment Fund which, I believe, work as a catalyst in attracting bright faculty to IIT Kanpur. I would also like to mention the funding for spearheading UAV research at IIT Kanpur by Prabhu Goel (BT/EE/70). Reciprocating his concern for the need of better foods Jeet Bindra (BT/CHE/1969) has given a funding for starting research on Organic Farming.

We are using the funding received from alumni for supporting various outreach activities. A new initiative, "Project Saraswati", has started where alumni donate "time" to their alma mater. It incorporates, typically, a weekend when alumni visit the campus and engage students in a workshop on topics of interest to students. We continue to support SURGE, in which, around 70 undergraduate students from across the world participated out of a probable 1875 in this year.

This issue also contains the details of the income and expenditure of the institute through the contribution made in the year 2013-2014. We received a donation of Rs 473.10 lakhs from 575 donors of which 351 from India and 224 from overseas. The Annual gift programme, started nine years ago, continues to prosper and we received more than Rs. 38.65 lakhs from 212 donors in this programme since the beginning. As of today, a total of 40 faculty chairs, 25 research fellowship for young faculty and 142 student scholarship have been instituted by various donors.

Institute has provided partial travel support of Rs 94.88 lakh to 175 students for presenting research papers in international conferences and cash awards of Rs 22.44 lakh to 171 students for publication of their research papers in reputed ISI Web Science accredited Journals.

We continue to seek more research fellowships for young faculty and more scholarship for students. A part of the cost associated with patent filing is now met through donations and I feel privileged and honoured to inform you that during this fiscal year, 38 national patents were filed and 12 technologies were licensed for commercialization.

We continue to reach out to alumni through social networks, with the happenings and events of campus. We recently crossed 13,000 LinkedIn connections and are well connected with nearly 8,000 alumni on Facebook.

We look forward to a future of ever-strengthening bonds between the alma mater and her academic offspring.



the scope

Outreach 2013

PAN IIT 2013

IIT Alumni Global Conference 2013

The 11th Annual Global Conference was held in Houston, Texas from December 6-8th, 2013. The theme was “Inspiring Innovation for Tomorrow” and STEEL threads-Sustainability, Technology, Education, Energy and Life Sciences were chosen as the five key areas for innovative solution. Mr. Witty Bindra Chaired the conference, which was hosted by a group of Houston, based IIT alumni. More than 1600 IIT alumni, many of them being distinguished business executives, world-class business trailblazers, investors, academicians and leading entrepreneurs from around the world participated in it.

Mr. Pratish Kanani, conference vice chair and IIT alumnus, said, “The Indian Institutes of Technology alumni have proved to be strong innovators and highly successful executives and technologists in the corporate world, entrepreneurial ventures, academia and government among many others. In addition to our professional achievements, we feel enormously responsible to give back to our communities and help make the world a better place for current and future generations.”

Over 70 international, national and local speakers and thought-leaders also participated in the conference, including:

Amartya Sen, Nobel Laureate Professor, Harvard University

Vicente Fox, Former President of Mexico

Andrew Gould, Chairman, BG Group

Blake Irving, CEO, GoDaddy.com

Andrew Ng, Co-founder, Coursera; Professor of

Computer Science, Stanford University
Anant Agarwal, President, edX

The attendees also enjoyed a powerful entertainment package including Usha Uthup, the Fab 5 and Dan Nainan. Usha Uthup just rocked Saturday night, literally bringing the crowd to its feet.

The members of the IIT Kanpur contingent were: Prof. Indranil Manna (Director), Prof. Prabhat Munshi (Dean, R&A), Prof. Sudhir Mishra (Secretary, Alumni Association), Prof. Ajit Chaturvedi (Dean, R&D), Mr. O. P. Srivastava (AR, R&A), Mr. Himanshu Pandey (President, student gymkhana), Mr. Sohil Bansal (General Secretary, Film and Media Council), Mr. Kapil Dev Advani and Mr. Palash Agarwal (coordinators, Alumni contact Program).

Home coming

The 35th Year Reunion of the Class of 79

The 35th Year Reunion of the Class-of-79 was held from 3rd – 5th January, 2014. It was inaugurated by the IIT-K director Prof Indranil Manna and co-ordinated by Mr Basant Joshi of the 1979 batch. The celebrations began, after the arrival of these ex-IITians on the campus. On this occasion, ex-student Jayanthi Murthy was given the distinguished alumnus award.

The former students clicked photographs of each other and of the new buildings in the Institute. The happiness of being back on the campus where they had studied was visible on their faces. Many of them also saw





the labs where they used to work and went to the lecture hall complex to recall the good old days spent here. On this occasion the Institute's director Prof Indranil Manna released a book "The Birds of IIT Kanpur" and launched a related website www.iitk.ac.in/iitkbirds. The book is authored by scholar-in-residence Mr. Bikram Grewal, who has provided the pictures and content for the website as well. On the last day of the reunion, the alumni along with their family members went for a trip to Bithoor. An interactive session was held on Saturday, several issues were discussed by the alumni such as the vision of the Institute, the challenges it has to face, why no IIT figures in the top 100 institute, meeting the crisis of faculty members, improving the quality of research etc. The fun and frolic also went on for long. as several activities were organised to entertain the alumni and their family. There were presentations by Prof. Prabhat Munshi (Dean, Resources and Alumni) and the alumni were told about the activities of the Resources and Alumni Office. The reunion came to an end with a lunch and a felicitation ceremony at the Director's residence.



Silver Jubilee Reunion of the Class of 89

Silver Jubilee Reunion Class-of-89 was celebrated at IIT Kanpur from 27th – 29th December, 2013. The three day alumni event witnessed a large gathering of over 100 alumni from India and abroad. The alumni were thrilled to visit their former Institute, where they had spent some of their most precious years as students.

They were full of fond memories and nostalgically recalled the good time they had here. The family members of the alumni were equally enthusiastic and went around visiting the classrooms, laboratories and other facilities, happy to experience the sprawling campus with its unspoiled rich flora and its extensive infrastructure. Several events were organized to make the alumni reunion memorable. The alumni also planted saplings in the orchards of IIT Kanpur to commemorate their batch mates who are no more. They went around the campus cycling, walking,

running and jogging and after breakfast interacted with the Heads of Departments, visited their departments and went around the academic area. The alumni revisited their student days by playing games like phatta cricket, basket ball and golf with much zest



and enjoyment. Some cultural performances were also hosted by the alumni and their families, thus making the reunion even more eventful and memorable.

20th Year Reunion of the Class of 93

Class of 1993 visited their alma mater on 24 to 25 December, 2013 for their 20th year reunion.

The alumni enjoyed their rendezvous by going around the campus on their cycles or by walking, taking photographs, having bulla session and playing phatta cricket. Professor Mishra welcomed the alumni and briefed them about the importance of having the reunion both from the point of view of the institute and from that of the alumni. He also stressed on the development that has taken place in the past years. Professors Sanghi, Phani and Kripa Shanker interacted with the alumni on the various innovation and contribution by the faculty of the institute to the industrial sector and others. The batch of 93 met for an evening tea over desi samosas and pakoras at their traditional joint at the MT section. Because of Christmas eve, Santa Clause distributed sweets and candies to the children of alumni, commemorating the positive mood. Foot tapping numbers were the highlight of the DJ music which followed by the sumptuous dinner.



Alumni Meet

As part of reaching out and networking with the alumni, Professor Prabhat Munshi, Dean, Resources & Alumni visited abroad and India. The chief purpose of the meet was to increase alumni engagement with the Institute, enhance fundraising and increase academic collaborations. These event acted as a platform for all the alumni to meet and greet each other. The alumni enjoyed themselves as they refreshed their old memories. Professor Munshi updated the alumni on the current Activities of the Institute and conveyed to them the vision of the Institute. The Dean's visit was very well received by the alumni as seen by their enthusiasm.







the identity

Recognition

Chair Professor (2013-2014)



Prof. Peeyush Chandra

Department of Mathematics and Statistics

was selected for *the Sanjay Mittal Chair Professorship*. His research interests are in mathematical modelling, fluid mechanics, biomathematics, biomechanics.

Homepage: <http://home.iitk.ac.in/~peeyush/>



Prof. Debashish Chowdhury

Department of Physics

was selected for *the Dr. Jag Mohan Garg Chair Professorship*. His research interests are in natural nano-machines in living cells, energy transduction, stochastic kinetics and collective phenomena in social insect colonies.

Homepage: <http://home.iitk.ac.in/~debch/index.html>



Prof. Alope Dutta

Department of Electrical Engineering

was selected for *the Ranjit Singh Chair Professorship*. His research interests are in Semiconductor device physics and modeling, analog/digital VLSI circuits, IC fabrication technology and device characterization, mixed signal RF circuits.

Homepage: <http://home.iitk.ac.in/~aloke/>



Prof. M. K. Harbola

Department of Physics

was selected for *the Satish Chandra Agarwal Chair Professorship*. His research interests are in electronic structure of atoms, molecules and solids using density functional methods.

Homepage: http://www.iitk.ac.in/phy/New01/profile_MKH.html



Prof. Debasis Kundu

Department of Mathematics and Statistics

was selected for the *Arun Kumar Chair Professorship*. His research interests are in survival analysis, non-linear regression, statistical computing, statistical signal processing.

Homepage: <http://www.iitk.ac.in/math/faculty/kundu/>



Prof. J. N. Moorthy

Department of Chemistry

was selected for *the Lalit Mohan Kapoor Chair Professorship*. His research interests are in mechanistic organic photochemistry, photochemistry in organized media, and selectivity (stereo and regio) in organic photochemical reactions, solid-state organic photochemistry and structure-reactivity correlations via x- ray crystal structure analysis.

Homepage: <http://home.iitk.ac.in/~moorthy/>.



Prof. G. Neelakantan

Department of Humanities and Social Sciences

was selected for *the Rahul and Namita Gautam Chair Professorship*. His research interests are in american literature, communicative language teaching, world fiction in english, and literary theory.

Homepage: <http://home.iitk.ac.in/~gn/>



Prof. P. K. Panigrahi

Department of Mechanical Engineering

was selected for *the N. C. Nigam Chair Professorship*. His research interests are in laser based instrumentation, flow control, CAD of thermal systems, turbulence, micro-fluidics and heat transfer.

Homepage: <http://www.iitk.ac.in/me/faculty/panigrahi.html>



Prof. R. Sankararamakrishnan

Department of Biological Sciences and Bioengineering,

was selected for *the USV Chair Professorship*. His research interests are in Modeling and simulation of biomolecules; bioinformatics.

Homepage: <http://www.iitk.ac.in/bsbe/Sankar.html>



Prof. Arvind K. Sinha

Department of Humanities and Social Sciences

was selected for *the Prof. S. Sampath Chair Professorship*. His research interests are in Organizational Behavior, Social Psychology.

Homepage: <http://home.iitk.ac.in/~aks/>



Prof. Nishith Verma

Department of Chemical Engineering

was selected for *the Raj and Neera Singh Chair Professorship*. His research interests are in adsorption, environmental pollution control, synthesis and application of carbon nanofibers and particles, mathematical modelling and simulation.

Homepage: <http://www.iitk.ac.in/che/nv.htm>



Prof. Sandeep Verma

Department of Chemistry

was selected for *the Sri Deva Raj Chair Professorship*. His research interests are in peptide-based soft structures: morphology and applications, nucleobase assemblies: crystals and catalysis, 2D assemblies on surfaces: microscopic investigations.

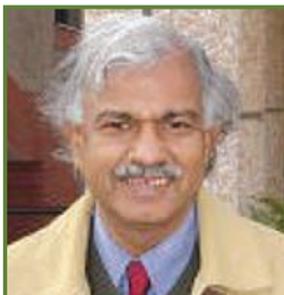


Prof. Avinash Kumar Agarwal

Department of Mechanical Engineering

was selected for *the Poonam and Prabhu Goel Chair*. His research interests are in IC engines, alternate fuels, vehicular pollution, laser diagnostic techniques, micro-sensor development and lubricating oil tribology.

Homepage: <http://home.iitk.ac.in/~akag/>



Professor A K Sharma

Department of Humanities and Social Sciences

was selected for *the P K Kelkar Chair*. His research interests are in social demography and social statistics, neo-social movements, social development, social aspects of science, Gandhian theory, representations of health and illness and the sociology of HIV/AIDS.

Homepage: <http://home.iitk.ac.in/~arunk/>



Prof. S N Singh

Department of Electrical Engineering

was selected for *the Sri J N Gupta and Smt M D Gupta Chair*. His research interests are in power system restructuring, FACTS technology, optimal power dispatch and security analysis, power system dynamics, operation and control, distribution system planning and demand side management, application of genetic algorithms and artificial neural networks in power systems.

Homepage: <http://home.iitk.ac.in/~snsingh/>



Prof. Rajiv Sinha

Department of Civil Engineering

was selected for *the Pandit Girish Ranjan and Sushma Rani Pathak Chair*. His research interests are in fluvial geomorphology and sedimentology, lacustrine sedimentology, remote sensing applications and climate change.

Homepage: <http://home.iitk.ac.in/~rsinha/>



Prof. Vinod Tare

Department of Civil Engineering,

was selected for the Sir M Visvesvaraya Chair. His research interests are in water and waste water treatment, modelling and simulation of environmental systems.

Homepage: <http://www.iitk.ac.in/ce/CIVIL/faculty/vinod/vinod.html>



Prof. Manindra Agrawal

Department of Computer Science and Engineering

was selected for *the N Rama Rao Chair*. His research interests are in complexity theory and computational number theory.

Homepage: <http://www.cse.iitk.ac.in/users/manindra/>



Prof. M. Katiyar

Department of Material Science and Engineering,

was selected for *the SBI Chair Professorship*. Her research interests are in electronic materials and devices, organic electronics, thin film transistors, memory devices, solid state lighting, sensors, printable electronics, spintronic materials.

Homepage: <http://home.iitk.ac.in/~mk/>



Prof. Sanjay Mittal

Department of Aerospace Engineering

was selected for *the Champa Devi Gangwal Chair Professorship*. His research interests are in aerospace engineering, computational fluid dynamics, finite element methods, parallel computing, flow-induced oscillations.

Homepage: <http://home.iitk.ac.in/~smittal/>



Prof. Onkar Dikshit

Department of Civil Engineering

was selected for *the Prof. B. B. Lal Chair Professorship*. His research interests are remote sensing applications, photogrammetry, GIS, GPS and DIP for engineering and natural resource management problems.

Homepage: <http://www.iitk.ac.in/ce/CIVIL/faculty/onkar/onkar.html>



Prof. S. Ganesh

Department of Biosciences and Bioengineering

was selected for *the Joy Gill Chair Professorship*. His research interests are in human molecular genetics; human gene structure and function.

Homepage: <http://www.iitk.ac.in/bsbe/Ganesh.html>



Prof. Somenath Biswas

Department of Computer Science and Engineering

was selected for *the Sanjay and Rachna Pradhan Chair Professorship*. His research interests are in complexity theory, logic.

Homepage: <http://www.cse.iitk.ac.in/users/sb/>



Prof. Partha Chakroborty

Department of Civil Engineering

was selected for *the Rajeeva and Sangeeta Lahri Chair Professorship*. His research interests are in traffic flow theory and traffic engineering, travel demand, transit systems and vehicle routing, transport system evaluation and management.

Homepage: <http://www.iitk.ac.in/ce/CIVIL/faculty/partha/partha.htm>



Prof. Goutam Deo

Department of Chemical Engineering

was selected for *the Indian Oil Corporation Chair Professorship*. His research interests are in supported metal oxide catalysis: synthesis, characterization and reactivity, reaction kinetics and water treatment.

Homepage: <http://www.iitk.ac.in/che/gd.htm>



Prof. Amalendu Chandra

Department of Chemistry

was selected for the *Sajani Kumar Roy Memorial Chair Professorship*. His research interests are in statistical mechanics, theoretical chemistry.

Homepage: <http://www.iitk.ac.in/chm/CHM/facultyphysi.htm>



Prof. P. K. Bharadwaj

Department of Chemistry

was selected for *the Poonam and Prabhu Goel Chair Professorship*. His research interests are in supramolecular chemistry.

Homepage: <http://www.iitk.ac.in/chm/CHM/facultyinorg.htm>



Prof. Dipak Mazumdar,

Department of Materials and Metallurgical Engineering,

was selected for the Ministry of Steel Chair. His research interests are in steelmaking physical and mathematical modeling of metals and materials processing operations.

Homepage: <http://home.iitk.ac.in/~dipak/index.htm>



Prof. S.K. Tandon

Department of Earth Sciences

was selected for *D.N. Wadia Chair Professor*. His research interests are in River science – human transformations of river systems, fluvial sedimentology and paleoclimate.

New research fellows



Dr Adrish Banerjee

Department of Electrical Engineering

was selected for the *P K Kelkar Research Fellowship*. His research interests are in cognitive radio, error control coding, wireless communications and optical communications.

Homepage: <http://home.iitk.ac.in/~adrish/>



Dr Kantesh Balani

Department of Materials Science and Engineering

was selected for *the P K Kelkar Research Fellowship*. His research interests are in bone implant materials, molecular modeling of interfaces, nano-composites and the multi length scale abridgement.

Homepage: <http://home.iitk.ac.in/~kbalani/>



Dr Samit Ray Chaudhuri

Department of Civil Engineering

was selected for the *P K Kelkar Research Fellowship*. His research interests are in structural dynamics and earthquake engineering.

Homepage: <http://www.iitk.ac.in/~samitrc/>



Dr. Priyanka Ghosh

Department of Civil Engineering

was selected for the *Class of 1982 Research Fellowship*. His research interests are in bearing capacity of foundations, numerical analysis, retaining walls and earth pressure theory.

Homepage: <http://www.iitk.ac.in/ce/CIVIL/faculty/pghosh/pghosh.htm>



Dr. Yogesh M. Joshi

Department of Chemical Engineering

was selected for the *P K Kelkar Research Fellowship*. His research interests are in structure and dynamics of colloidal glasses and gels, soft matter and rheology of complex fluids.

Homepage: <http://www.iitk.ac.in/che/yj.htm>



Dr. Amey Karkare

Department of Computer Science And Engineering

was selected for *the P K Kelkar Research Fellowship*. His Areas of research interest are in compilers, data flow analysis and heap analysis.

Homepage: <http://www.iitk.ac.in/user/karkare/>



Dr. Vimal Kumar

Department of Humanities and Social Sciences

was selected for *the Class of 1982 Research Fellowship*. His research interests are in economics of conflict, microeconomic theory, political economics, economic growth and technological development and game theory.

Homepage: <http://www.iitk.ac.in/~vk>



Dr. Deepu Philip

Department of Industrial and Management Engineering

was selected for *the Class of 1970 Research Fellowship*. His research interests are in decision support systems, robust planning & scheduling with local searches, systems simulation, smart systems, AI based searches, experimental design, entrepreneurial decisions and ITS.

Homepage: <http://www.iitk.ac.in/~dphilip/>



Dr. Kumar Ravi Priya

Department of Humanities and Social Sciences

was selected for *the Class of 1970 Research Fellowship*. His research interests are in health psychology, cultural psychology, alternative paradigms of psychology and research methods.

Homepage: <http://home.iitk.ac.in/~krp/>



Dr. Jayant K Singh

Department of Chemical Engineering

was selected for *the Class of 1970 Research Fellowship*. His research interests are in thermodynamics, selective adsorption and separation, energy storage materials, wetting transition, self assembly and crystallization at nanoscale.

Homepage: <http://www.iitk.ac.in/che/jks.htm>



Dr. Kumar Vaibhav Srivastava

Department of Electrical Engineering

was selected for *the Class of 1979 Research Fellowship*. His research interests are in meta-materials, microwave antennas, dielectric resonator and its applications, microwave filters, finite-difference time-domain (fd-td) technique, wireless power transfer and electromagnetics.

Homepage: <http://home.iitk.ac.in/~kvs/>



Dr. Nischal K Verma

Department of Electrical Engineering

was selected for *the Devendra Shukla Faculty Fellowship*. His research interests are in machine learning, biometrics, GMM, HMM, fuzzy systems, clustering algorithms, color segmentation and video image sequence recognition.

Homepage: <http://home.iitk.ac.in/~nishchal/>

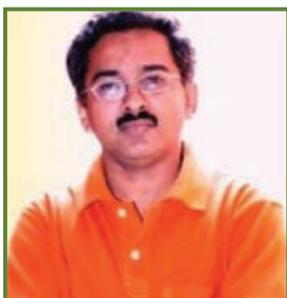


Dr. Pankaj Wahi

Department of Mechanical Engineering

was selected for *the P K Kelkar Research Fellowship*. His research interests are in non linear dynamics and vibrations.

Homepage: <http://www.iitk.ac.in/me/faculty/pankaj.html>



Dr. Sri Siva Kumar

Department of Chemical Engineering

was selected for Class-of-1979 Faculty Research Fellowships. His research interests are in lanthanide based nanodevices, multifunctional nanomaterials for drug delivery and bio-imaging, novel nanocatalyst, nanomaterials for solar H₂ generation, Photonic materials.

Homepage: <http://www.iitk.ac.in/che/ss.htm>



the patronage

Sponsorships

New Faculty Chairs

HAL Chair

Hindustan Aeronautics Ltd., Lucknow has sponsored and instituted a Faculty Chair at IIT Kanpur to engage in advanced research and tackle multi-disciplinary problems in aircraft systems technology and its application.

CNR Rao Faculty Award

Mr. Rangarajan Vellamore (BT/ME/1990) has instituted a CNR Rao Faculty Award to be given for excellence in research to a faculty member of any department. The purpose of the award is to provide a way to promote excellence in research with a superior publication or Point of views or Proof of concepts.

New Scholarships and Awards

Ranjan Kumar Memorial Lecture Series

Class of IITK 82 has instituted a lecture series on entrepreneurship in the name of Mr. Ranjan

Kumar (BT/ME/86). The task of organizing the lectures will be assigned to SIDBI Innovation & Incubation Center (SIIC) as per the wish of the Batch. The award has been instituted by the batchmates of the Late Mr. Ranjan Kumar in his memory.

Nirmala & Ashok Keshri Scholarship

Mr. Piyush Keshri (BT/EE/2009) has instituted a Nirmala & Ashok Keshri scholarship for a final year B.Tech-Dual Degree student from any department. It will be open to students from all departments but restricted to only 4th Year students of the B.Tech program & 5th year students of the dual degree program. The scholarship will be awarded on a merit-cum-means basis.

Sandeep & Vinita Agarwal Scholarship

Mr. Sandeep Agarwal (BT/ChE/1988) has instituted a Sandeep & Vinita Agarwal Scholarship. It will be given to a first year B.Tech student from any department. The scholarship will be awarded on a merit-cum-means basis.

Swami Sivananda Memorial Scholarship

The Divine Life Society from Garhwal, Uttarakhand has instituted four scholarships. They will be given to four B. Tech students from any department (one each from first year to fourth year). The scholarships will be awarded on a merit-cum-means basis.

Prof. M.M. Hasan Memorial Scholarship

Family and friends of the late Prof. M.M. Hasan have instituted a “M.M. Hasan Memorial Scholarship” to be given to a 1st year B. Tech student of the Electrical Engineering Department. The scholarship will be awarded on a merit-cum-means basis.

Student Innovation Award

SIDBI Innovation & Incubation has created a Student Innovation Award. It is proposed that two annual prizes of Rs 25,000/each and a certificate will be given to two students respectively.

Dr. Prateek Mishra Memorial Gold Medal

Dr. R.N. Mishra, father of the late Dr. Prateek Mishra (BT/EE/2006) has instituted a “Dr.Prateek Mishra Memorial Gold Medal” for the top student of the EE Department in the graduating class. This award will be given during the convocation, starting from the year 2014.

Most Innovative B.Tech. Project

Shri Ajay Mohan Jain (BT/EE/1976) has instituted a onetime cash prize of Rs. 25,000/- to a B.Tech graduating student this year for the most innovative B.Tech project on the birth centenary of his late father Shri C.L. Jain.

Bhagwan Das Sanghi Memorial Gold Medal

The family of the Late Shri Bhagwan Das Sanghi has instituted the “Bhagwan

Das Sanghi Memorial Gold Medal” in his memory. It is to be given during the convocation to the best dual-degree student doing MS in Mathematics. Since the first student with MS Mathematics will graduate only in the 2016 convocation, the medal may be given in the 2014 and 2015 convocations to students with the highest CPI in the M.Sc (Integrated) program in Mathematics and Scientific Computing.

Bhagwan Das Sanghi Memorial Scholarship

The family of Late Shri Bhagwan Das Sanghi instituted the “Bhagwan Das Sanghi Memorial Scholarship” in his memory.

Ranjan Kumar Memorial Award

The batchmates of Late Mr. Ranjan Kumar (BT/ME/1986) instituted Ranjan Kumar Memorial Award in his memory. The award will be given for socially relevant project work.

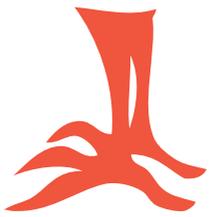
Srimati Bhagwati Rameshwar Goyal Scholarship

Shri Ashok Kumar Goyal (BT/ME/1972) instituted Srimati Bhagwati Rameshwar Goyal Scholarship. This Scholarship will be given to a second year undergraduate girl student of Mechanical Engineering or Biological Sciences & Bio Engineering.





Research
Support



the foundation

Research Support

Student Travel Support:

IIT Kanpur provides travel support to students for the presentation of their research papers in conferences abroad. During 2013-14, 175 students have availed this support. This involved an expenditure of Rs. 94.88 lakhs which has been met from the N. R. Narayana Murthy Fund (Support for Excellence) and the Annual Gift Programme.

Cash Awards:

The institute gives a cash award of Rs. 10,000 to a student of IITK whose research paper is published in a journal listed in the ISI Web-

of-Science. A student may be given this cash award up to a maximum of Rs. 20,000 during the duration of a degree programme. During 2013-14, 171 students have been sanctioned cash awards. This involved an expenditure of Rs. 22.4 lakhs which was met from the N. R. Narayana Murthy Fund (Support for Excellence) and the Annual Gift Programme.

Patents:

To encourage the filing of patents, a part of the cost associated with patent filing is now met through donations. During the year 2013-2014, 38 national patents and 12 technologies licensed for commercialization were filed by the Institute faculty members. Listed below are the titles of the patents and the names of the inventors.



Patents filed during 2013-2014

National Patents

Invention	Name of the Inventors
Novel Drosophila tumour model for screening anti-cancer drugs and methods thereof	Prof. Pradip Sinha (BSBE) , Dr. Anjali Bajpai (BSBE),
RFID Tags	Prof. A R Harish (EE), Mr. Akshay Jain
Two Way Volume Adjustable Load Bearing Foldable unit pliable material for making furniture	Ms. Meenakshi Singh (Student), Dr. Koumudi Patil (HSS)
Pentacene Deposition in Organic thin film Transistors	Prof. Deepak Gupta, Dr. Ashish Garg, Mr. Tapendu Mandal
Two- Fluid Atomizer	Dr. D P Mishra (AE), Ms. Manisha B Padwal
Image Enhancement	Mr. Adersh Kumar Singh (EE) Prof. Sumana Gupta (EE), Prof. K S Venkatesh (EE)
An Integrated Microchip for the Detection of a Biological Cell	Dr. Shantanu Bhattacharya (ME), Prof. Gurunath Ramanathan (Chemistry), Ms. Monalisha Nayak, Mr. Deepak Singh, Mr. Rishi Kant
Systems and Methods for Signature Verification	Mr. Jay D Dave and Prof. K S Venkatesh (EE)
Real Time Image Stabilization	Mr. Bhoopendra Singh (EE) and Prof. K S Venkatesh (EE)
Process for the production of directed assembly of tailored monolayer and multilayers of nanoparticles on a substrate	Dr. Sri Sivakumar (Chemical), Dr. Raj Ganesh S Pala (Chemical), Dr. Ragina Ragan (Chemical & MSE), Mr. Arun Prakash Upadhyay

Invention	Name of the Inventors
Coplanar Microwave Sensor	Dr. Mohd Jaleel Akhtar (EE), Mr. Shaji M
Ordered array of nanopore formation in aluminum thin-films using self-assembled monolayer of polystyrene microspheres and two types of anodic-oxidation	Dr. Sarang Ingole (MSE), Mr. Rajib Halder and Mr. Bhaskar Dudem
Hydrogen Gas Burner and Method of Combustion in Hydrogen Gas Burner	Prof. D P Mishra (AE)
Solar Based Water Purification	Mr. Ankit Anand, Mr. Arihant Bhandari, Mr. Shivam Prakash, Mr. Manoj Sharma, Dr. Raj Ganesh S Pala (Chemical) and Prof. K Muralidhar (ME)
Fuel Vaporizer	Dr. Avinash Kumar Agarwal (ME) and Mr. Akhilendra Pratap Singh (Student)
Wireless Layered Structure Analyzer	Mr. Amit Goel (CE)
Software Flutter Shutter Imaging System for Blur Removal Using a High Speed Camera	Prof. K S Venkatesh (EE) and Mr. Anindya Rai (Student)
A hanger to hang a plurality of garments for drying, organizing and exhibition/showbasing	Mr. Bharat Sarkar (Student), Dr. J Ramkumar (ME)
Drug Flow Control Device	Mr. Rajesh Ranjan (M.Des), Mr. Basava Kumar M (M.Des), Prof. Bishakh Bhattacharya (DP)
Medical Actuator	Mr. Rajesh Ranjan (M.Des), Mr. Basava Kumar M (M.Des), Prof. Bishakh Bhattacharya (DP)
Methods and Systems for Health Monitoring	Mr. Rajesh Ranjan (M.Des), Mr. Basava Kumar M (M.Des), Prof. Bishakh Bhattacharya (DP)
A process for the production of high surface area nano metal oxides	Dr. Shantanu Bhattacharya (ME), Mr. Ankur Gupta (Student), Mr. Shashank S Pandey (ME)

Invention	Name of the Inventors
A Method for Estimating Strain at a Location Buried within a Deformable Object Using an Embedded Tracer grid	Dr. Animangsu Ghatak (Chemical), Ms. Susmita Das (Student) and Mr. Sukumar Laha (Student)
Hydrogen Storage in Magnesium Based Hybrids Using Accumulative Roll Bonding	Md. Faisal (Student), Mr. Anshul Gupta (Student), Ms. Suboohi Shervani (Student), Dr. Kantesh Balani (MSE) and Dr. A Subramaniam (MSE)
A Robotic Cooking System	Dr. Susmit Sen, (SRE), Center for Mechatronics
Nanoporous Microtubes for Anisotropic Optical Fibers	Dr. S Anantha Ramakrishna (Phy) and Mr. Dheeraj Pratap
Ferromagnetic Nanoparticle Encapsulated Carbon Nanotubes with High Encapsulation/Filling Ratio for High Density Magnetic Data Storage Devices and Method of Manufacturing the Same	Prof. Kamal K Kar (ME) and Mr. Raghunandan Sharma
Carbon Nanotube Coated Carbon Fiber Filaments for Incandescent Electric Lamp and Method of Manufacturing the Same	Prof. Kamal K Kar (ME) and Mr. Raghunandan Sharma
Multiscale Magnetic Nanocomposites Using Ferromagnetic Nanoparticle Encapsulated Carbon Nanotubes and Method of Manufacturing the Same	Prof. Kamal K Kar (ME) and Mr. Raghunandan Sharma
Ferromagnetic Metal Nanoparticle Encapsulated Carbon Nanotubes as Nano-Heaters for Cancerous Cell Treatment and Method of Manufacturing the Same	Prof. Kamal K Kar (ME) and Mr. Raghunandan Sharma
One step method for the preparation of Zinc-doped titania nanotube array for photocatalytic dye sensitized solar cells, energy conversion devices, and degradation of water and air pollutants	Prof. Kamal K Kar (ME) and Ms. Poonam Benjwal (PhD Student)
Novel Phosphonated poly ether ether ketone polymer as an alternative to nafion for polymer electrolyte membrane fuel cell and the method of manufacturing the same	Prof. Kamal K Kar (ME) and Ms. Soma Banerjee(Research Scholar)

Invention	Name of the Inventors
Mass Diffusivity Measurement System	Mr. Yogesh Nimdeo, Mr. Subhajt Kar, Dr. Yogesh M Joshi (Chemical) and Prof. K Murlidhar (ME)
AM Bronchotrainer	Dr. Anil Kumar Verma (GSVM), Dr. Manoj Kumar Sharma (GSVM) and Dr. J Ramkumar (ME)
Suspension Agitator	Mr. Raja Choudhary (MSE), Dr. Vandana Singh (MSE), Dr. Neelima Mahto (MSE) and Dr. Kantesh Balani (MSE)
Tool For Measuring and Drawing Quadrilateral/19-99	Mr. Jeyakumar M (Student) and Dr. J Ramkumar (ME)
Angular Clock for Measuring Time and Angle/ 10-01	Mr. Jeyakumar M (Student) and Dr. J Ramkumar (ME)
Tool for Measuring and Drawing Triangles/19-99	Mr. Jeyakumar M (Student) and Dr. J Ramkumar (ME)

Technologies licensed for commercialization

Invention	Name of the Inventors
Organic Thin Film Transistors and Methods for Their Manufacturing and Use	Mr. Saumen Mandal, Prof. Monica Katiyar, MSE & SCDT
Microbe-Based Masters for Micro Contact Printing and Methods for Their Preparation and Use	Prof. Deepak Gupta (MSE), Prof. Balaji Prakash, (BSBE), Ms. Sunita Mehta (MSE), Mr. Saravanan Murugeson, (BSBE)
Four-Terminal Gate-Controlled Thin- Film Organic Thyristor	Prof. Baquer Mazhari, (EE), Mr. Arjit Ashok, Student, (EE)
An Organic Device with Thin Film Transistor Merged with Light Emitting Diode through Use of an Accumulation Layer in TFT as an Electrode	Prof. Baquer Mazhari, (EE), Ms. Ankita Gangwar
Metal Nanoparticles-Doped Antibacterial Agents and methods of Preparation and use	Prof. Nishith Verma, Prof. Ashutosh Sharma and Mr. Prateek Khare
Methods for Fabricating Optical Lenses	Dr. Animangsu Ghatak (Chemical), Mr. Abhijit Chandra Roy (Chemical)
Multiple criteria decision analysis in distributed databases	Dr. Arnab Bhattacharya (CSE), Mr. Shashwat Mishra
"Polymeric nanocomposite films with embedded channels and Methods of their preparation and use"	Prof. Nishith Verma (Chemical), Dr. J Ramkumar (ME) and Mr. Prateek Khare (PhD)

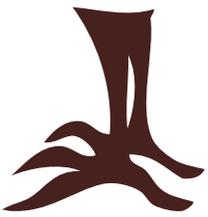
Invention	Name of the Inventors
BFPT Thin Films Heterostructures with Giant Ferroelectric Response for Sensors and Actuators and Process Thereof	Mr. Rajesh Katoch (Student), Dr. Ashish Garg (MSE) and Dr. Rajeev Gupta (Phy, MSE)
Nanobrushes and methods of manufacture and use	Prof. S Anantha Ramakrishna (Phy), Ms. Jhuma Dutta
A coronary stent with nano coating of drug free polymer and a process for preparation thereof	Prof. S Sundar Manoharan, Chemistry, Dr. T R Muralidharan, Professor, Cardiologist, Sri Ramachandra Medical College, Porur, Chennai
Thin Film Transistor with A Current-Induced Channel	Prof. Baquer Mahari, (EE) Ms. Ankita Gangwar (EE)







Honours
& Awards



the accolades

Honours & Awards

Distinguished Alumnus Awards

The Distinguished Alumnus Award (DAA) is the highest award instituted by the Board of Governors, Indian Institute of Technology Kanpur for its alumni in recognition of their outstanding achievements. IIT Kanpur alumni have excelled in diverse fields of activity, and the DAA may be given for outstanding achievements in any field pertaining to the service of humanity at large. Some of the areas in which the DAA has been awarded include entrepreneurship, management, and professional and academic excellence.

Including this year's awardees, there have so far been ninety five recipients of the award.

The first recipient was Shri Satish Kaura (BT/EE/66), presently the Chairman and Managing Director of Samtel Color. He was conferred the award for excellence in entrepreneurship in 1989. This year three alumni will be honoured with the DAA.

To know about previous winners of the Distinguished Alumnus Award visit:

<http://www.iitkalumni.org/daa/lastyearsDAA.asp>



Vijay Kumar (BT/ME/83)

The Distinguished Alumnus Award of the Indian Institute of Technology Kanpur was conferred on Prof. Vijay Kumar (BT/ME/83), UPS Foundation Professor, Departments of Mechanical Engineering and Applied Mechanics and Computer and Information Science, Member of the GRASP Laboratory, School of Engineering and Applied Science, University of Pennsylvania for his outstanding contributions in the field of Mechanical Engineering and Applied Mechanics.

Professor Vijay Kumar is one of the top roboticists of his generation. His fundamental contributions, which straddle both theory and practice, address the control and planning of multiple cooperating robot systems and autonomous robots capable of cooperating to explore, map and manipulate in 3-D environments. He was the first to formulate and solve the problem of cooperative mobile manipulation with multiple robots, simultaneously controlling the gross motion and rolling/sliding interactions in the early 90's. He was also the first to work on the multi robot formation control problem leading to highly cited papers on the subject in the late 90s. His recent ground-breaking

research in micro unmanned vehicles has led to flying robots with extraordinary agility and unprecedented autonomy. This work, which is exemplary in the synthesis of rigorous mathematics and careful experimentation, has been featured in remarkable demonstrations (over 10M views on YouTube), numerous public lectures (over 2M views of a recent TED talk) and featured by numerous media outlets. He has established three start-ups, graduated over 30 doctoral students, trained over 20 post-doctoral scholars, and established new K-12 STEM programs for students in inner-city high schools.

Professor Kumar's creative theoretical, algorithmic, and experimental work on cooperating robots have transformed the science of robotics systems and impacted a wide range of applications in the area of networked and cyber physical systems. His work in the last five years has transformed the field of micro autonomous systems, specifically, aerial robots. His papers, patents, and licenses, and collaborative projects with industry and government have led to many important basic research results, new technology and start-ups. He has been a true leader nationally and internationally, serving and /or chairing Conferences on Robotics practically every year since 1991. In addition, he has served in advisory capacities in his area of expertise in many national panels (National Academy of Science, NASA and NSF) for assessment and road mapping of technology.

Professor Kumar has about 120 Refereed Journal Publications, and more than 300 Refereed Papers in Conference Proceedings and Books. He is on or has served in the past on the editorial board of 8 International Journals.



Jayadev Misra (BT/EE/69)

The Distinguished Alumnus Award of the Indian Institute of Technology Kanpur was conferred on Prof. Jayadev Misra (BT/EE/69) Professor and Schlumberger Centennial Chair in Computer Science, University of Texas at Austin for his outstanding contributions in the field on Computer Science and Engineering.

Professor Jayadev Misra has a long and distinguished career in computer science. He is among the people who have made the most significant advances in programming methodology and the development of algorithms - along with people like Edsger Dijkstra, Tony Hoare, and David Gries. In fact, he has co-authored papers with all three of these eminent scientists. Professor Misra has contributed to many aspects of the field of computer science -the development of specific algorithms, semantics, logic, and so forth. But his forte has been in all aspects of concurrent programming. He has authored two very successful books: "Parallel Program Design" (with Mani Chandy) and "A Discipline of Multiprogramming," which are based on his research work at the University of Texas at Austin.

More recently, Professor Misra has turned his attention to the programming of Internet

applications that must run on several sites distributed across the Internet. Writing about this new language that Professor Misra has invented, Professor Gries, himself a renowned figure in the field, recently said "His new programming language, ORC (short for orchestration language) shows how these kinds of complex programming problems can be solved with taste, elegance, simplicity, and reliance on theoretical results - something that few people other than Professor Misra can pull off. We believe this language Will, In the long run, greatly influence the design and implementation of Internet programming languages."

Professor Misra is also renowned for his skill in inventing concurrent algorithms. His most famous algorithm, invented with Chandy, is the "Chandy-Misra algorithm for conservative discrete-event simulation (DES)." This algorithm provided an elegant solution to a very difficult problem that had thwarted previous researchers. Professor Misra's paper on discrete-event simulation has been cited more than 1000 times, according to Google scholar.

Professor Misra also has performed significant service to the computing community. He is spearheading (jointly with Tony Hoare) an international Grand Challenge Project on Automated Verification. The goal of this project is to push forward the state of the art of automatic software verification tools by focusing on the problem of building a compiler that can verify programs it compiles. It has led to significant advances in this important area, and formal verification is now being used in companies like Microsoft for checking some of their software. This effort demonstrates Professor Misra's leadership in the computer science community and the trust that the computer science community has in him.



Dipankar Das Sarma (MSc5/PHY/77)

The Distinguished Alumnus Award of the Indian Institute of Technology Kanpur was conferred on Prof. Dipankar Das Sarma (MSc5/PHY/77) Solid State and Structural Chemistry Unit & Centre for Condensed Matter Theory, Indian Institute of Science Bangalore for his outstanding contributions in the field of investigation of properties of matter employing synchrotron radiation.

Prof. Dipankar Das Sarma, besides his own academic achievements, has been instrumental in contributing to the growth of science in India in numerous ways. Being a pioneer among Indians in the field of investigation of properties of matter employing synchrotron radiation, he played an instrumental role in making it possible for Indian scientists to access international synchrotron facilities through various bilateral agreements between India and other countries under the aegis of Department of Science and Technology, Government of India, by incorporating such access within the scope of Program of Cooperation between the two countries.

He continues to play a pivotal role, presently as the National Coordinator of the program, in making it a success, nurturing various Indian scientific groups to learn this technique and benefit from this initiative. The success of his efforts can be gauged by the fact that there were possibly only two or three scientific groups in India that had any experience in carrying out synchrotron-related activities when this program started more than a decade ago and today India is among largest user groups of Elettra, the Italian synchrotron facility. The tremendous growth of the Indian synchrotron user community has reached even smaller and less endowed places, with research groups in places like Meerut, having been beneficiaries of this access program. More than 300 scientific research papers have been published by this diverse group of users with the help of this program. As a Distinguished Scientist of the Council of Scientific and Industrial Research, Prof. Sarma is mentoring a massive project for the utilization of solar energy with a total projected cost of about Rs. 300 Crore. It is a unique exercise that involves a large number of CSIR institutions collaborating with each other to combine diverse core competencies in order to deliver various technologies to harness solar energy. He has been at the core of this activity from the days of its inception and shepherding its execution in the role of the Chairman of the Review Committee of the entire program.

Professor Sarma is a world leader in two distinct research areas, namely strongly correlated electron systems and

semiconductor nanoparticles, with profound contributions in several specific sub-areas under these two broad categories of scientific research. Specific areas of research where he has been particularly active and profoundly influential in recent times are magnetism, magnetotransport, metal-insulator transition, and disorder effects in transition metal compounds within the overall theme of strong

correlation, and size-dependent electronic and optical properties, growth mechanism of semiconductor nanoparticles. His earlier works on the electronic structure of uranium intermetallics, transition metal silicides, and various high energy spectroscopies now form the standard basis of the collective understanding in these areas.

Gopal Das Bhandari Memorial Outstanding Teacher's Award

Mr. Anil Bhandari (BT/ME/1969)

The Gopal Das Bhandari Memorial Outstanding Teacher's Award has been instituted by Mr. Anil Bhandari (BT/ME/1969) to honour his father. The award includes a cash prize of Rs. 50,000 and a citation. This award is to honour, annually, an outstanding teacher from the perspective of the graduating undergraduate batch.

Prof. A. R. Harish, Department of Electrical Engineering, is the recipient of the Gopal Das Bhandari Memorial Distinguished Teacher Award for the year 2014 for his excellent and innovative teaching methodologies. Prof. Harish obtained his PhD from Indian Institute of Technology Kanpur. His areas of research interest are Radio Frequency Identification (RFID), Computational Electromagnetics, Antennas.



Convocation list

Name of Awards/Medal	Instituted by	Recipient of the Award
Director's Gold Medal	IIT Kanpur	Vatsal Sharan, 10789
President's Gold Medal	IIT Kanpur	Nitish Kumar Srivastava, 10464
Banco Foundation Prize	Banco Foundation	Prabhanshu Pavecha, 10495
Batra Gold Medal	1976 Batch	Pratik Agarwal, 10523
Best Physics Project Award		Tamaghna Hazra, Y9620
Best Software Award	Pankaj Jalote (BT/EE/80)	Amitesh Maheshwari, Y9227078 Raviranjan, Y9227480
Bhagwan Das Sanghi Memorial Gold Medal	Family members of late Shri Bhagwan Das Sanghi	Khushboo Surana, Y9283
Bhagwani Devi Maheshwari Gold Medal	S. N. Maheshwari (Faculty member IITD)	Aditi Gupta, Y9038
Binay Kumar Sinha Award	Suyash Sinha (MT/CSE/1998)	Abhijit Sharang, 10007 Deepak Pathak , 10222
Bogineni Chenchu Ram Naidu Gold Medal	Mr. Bogineni Chenchu Rama Naidu (MT/MSE/1982)	Amitava Banerjee, 12106003
Cadence Gold Medal	Cadence Design System (India) Pvt. Ltd.	Vishesh Kumar Panjabi, 9227662
Cadence Silver Medal	Cadence Design System (India) Pvt. Ltd.	Teja Ram Seervi, 12104087
Dr. Elizabeth & Dr. Varkey Cherian Award	Cherian Mathew (BT/CSE/2008)	Prabhanshu Pavecha, 10495 Ankush Panwar, 10118 Shobhit Yadav, 10695
Dr. Prateek Mishra Memorial Gold Medal	Dr. R. N. Mishra (Father of Dr. Prateek Mishra (BT/EE/2006)	Nitish Kumar Srivastava, 10464

Name of Awards/Medal	Instituted by	Recipient of the Award
Dr. S.D. Bokil Memorial Medal	Civil Engineering Department IITK	Nikhil Rastogi, 11117015
Dr. Shanker Dayal Sharma Medal	Vimla Sharma (Wife of former President of India, Dr. Shanker Dayal Sharma)	Gaurangi Gupta, 12104023
IEEE/Pedes' 96 Award	Electrical Engineering Department IIT Kanpur	Nalin Lochan Gupta, 12104045
IITK Excellence In Art & Cultural Activities	IIT Kanpur	Amitesh Maheshwari, Y9227078
IITK Excellence In Community Service	IIT Kanpur	Ankur Pandey, 10113 Apoorva Goyal, 10140 Himanshu Aggarwal, 10297
IITK Excellence In Leadership In Student Affairs	IIT Kanpur	Anant Mundra, 10422 Rohit Singh, 10613 Tushar Misra, Y9625 Soniya Parmar 10723
Kunwar Devendra Pratap Singh & Kunwarani Krishna Kumari Memorial Award	Mr. Anil Kumar Singh (BT/AE/1970)	Ayush Mathur, 10182 Mihir Kumar Jha, 10399
Mars G. Fontana Prize	Mars G. Fontana	Swapnil Agarwal, 10753
Mehta M.Tech Gold Medal	Gurmukh D. Mehta (MT/ME/69)	Chandra Prakash 12105019
Motorola Gold Medal	Motorola (India) Electronics Ltd	Soniya Parmar, 10723
Prof. Adidam Sai Ranga Sai Gold Medal	Sudhir Misra (BT/CE/81) and his batch mates	Gourab Ghosh, 12103022
Prof. Adidam Sai Ranga Sai Gold Memorial Medal	Janaki Jayanthi Adidam (wife of late Prof. A. S. R. Sai, faculty member, CE, IITK)	Vishesh Kumar Panjabi, Y9227662
Prof. Baldeva Upadhyay Gold Medal	Prof. G. S. Upadhyaya	Sumit Ranjan Sahu, 11106022
Prof. Vijay Mahajan Gold Medal	Vijay Mahajan (BT/CHE/70)	Arijit Pathak, 12125012
Ranjan Kumar Memorial Award	Class of IITK 82	Vishesh Kumar Panjabi, Y9227662

Name of Awards/Medal	Instituted by	Recipient of the Award
Ratan Swarup Memorial Prize	Ratan Swarup	Saumya Kapoor, 10651
S.N. Mittal Gold Medal	A. K. Mittal (faculty member, IME, IITK)	Novjot Singh Brar, 12125029
Sangeeta Pradhan Memorial Medal	Anil Kumar Pradhan (former staff member)	Amartya Dutta, 12958
Shailja Srivastava Award	Mr. Puneet Prakash (MSC5/MTH/1992)	Arijit Pathak, 12125012
Shashi Pundir Memorial Medal	Dr. B.P. Pundir, Former Professor, Mechanical Engineering, IIT Kanpur	Aashutosh Mistry, 12105052
Suman Gupta Gold Medal	S.K. Gupta (PhD/MTH/1966)	Khushboo Surana, Y9283
Tata Consultancy Services Award	Tata Consultancy Services	Abhijit Sharang, 10007 Deepak Pathak, 10222
Trilok Chandra Goel Memorial	Sudhanshu Goel	Eluru Sairam, Y9227208 Manish Kumar, Y9227317
Proficiency Prizes	IIT Kanpur	BTech
		Mihir Kumar Jha, 10399
		Ayush Mathur, 10182
		Anjaney Kothari, 10094
		Snehit Ashok Kumbhare, 10720
		Rahul Meena, 10561
		Kamal Prajapat, 10334
		Saumya Kapoor, 10651
		Abhijit Sharang, 10007
		Deepak Pathak, 10222
		Vatsal Sharan, Y10789
		Nikhil Gupta, Y10447
		Amber Srivastava, 10069
		Ravi Shankar Mishra, 10591
		Shivam Sharma, 10689
		Kunwar Pradeep Singh, 10366
		S.Vignesh, 10618

Name of Awards/Medal	Instituted by	Recipient of the Award
		Ayush Anand, 10179
		Yuvraj Khattar, 10828
		Swapnil Agarwal, 10753
		Deepti Verma, 10227
		Ashita Prasad, 10159
Proficiency Prizes	IIT Kanpur	MSc (Int)
		Piyush Gupta, Y9412
		Prarthana P, Y9426
		Swapnika Reddy R, Y9617
		Mayank Raj, Y9334
		Peeyush Vyas, Y9414
		Pritam Majumdar, Y9437
		Rohit Upasini, Y9495
		Khushboo Surana, Y9283
		Shreya P Kumar, Y9561
		Sumit Chokhra, Y9602
Proficiency Prizes	IIT Kanpur	MSc (2 Yrs)
		Amartya Dutta, 12958
		Jay Kumar Shah, 12973
		Subhash Singha, 11996
		Manali Ghosh, 12854
		Abheek Sarkar, 12841
General Proficiency Medals	IIT Kanpur	BTech
		Jatin Mitruka, 10312
		Kalvapalle Prashant Bharadwaj, 10332
		Abhinav Mishra, 10012
		Saumya Kapoor, 10651
		Deepak Pathak, 10222
		Nitish Kumar Srivastava, 10464
		Prabhanshu Pavecha, 10495
		Pratik Agarwal, 10523

Name of Awards/Medal	Instituted by	Recipient of the Award
General Proficiency Medals	IIT Kanpur	MSc (Int)
		Prashant Kumar, Y9428
		Swapnika Reddy R, Y9617
		Khushboo Surana, Y9283
General Proficiency Medals	IIT Kanpur	Abhijeet Das, Y9012
		MSc (2 Yrs)
		Manali Ghosh, 12854
		Sbhasree Kal, 12874
		Rima Chatterjee, 12908
General Proficiency Medals	IIT Kanpur	Subhasmit Ghosh, 12953
		Niladri Paul, 12978
		B.Tech-M.Tech (Dual Degree)
		Vishesh Kumar Panjabi, Y9227662
		Manish Kumar, Y9227317
		Arbaz Khan, Y9227128
Kushagra Singhal, Y9227304		
Kushagra Singh, Y9227303		



Scholarship list

Name of the Scholarship	Instituted by	Recipient of the Scholarship
Arakere and Karen Vasudev Scholarship	Arakere Vasudev (former faculty member, CHE, IITK)	Shivang Sharma, 11685, CHE
Anil and Reshma Nigam Scholarship	Anil Nigam (BT/AE/70)	Harsh, 11294, AE
Anurag Bartaria Memorial Scholarship	C. K. Bartaria (father of late Anurag Bartaria, IITK student)	Zunaid Alam, 13817, MSE
Arpita Mahila Mandal Scholarship	Arpita Mahila Mandal	Namrata Kiran, 10431, ECO Arti Devi, 12884, MATH
Anita and Santosh Mehra Scholarship	Santosh Mehra (BT/EE/1966)	Akhilesh Kumar Maurya, 12066, EE Jitender Singh Shekhawat, 12324, EE Shivendu Bhushan, 11689, EE Ananda Ram, 11086, EE Shresth Gandhi, 11694, EE
Balasubramanian and Visalakshi Scholarship	Ramakrishnan Balasubramanian (BT/ME/89)	Manav Garg, 10379, CSE
Bhuwan and Indira Joshi Scholarship	Vinit Joshi (BT/EE/77)	Shabaz Belim, 13638, BSBE
Babu Ram Jain Memorial Scholarship	Ashok Jain (Mtech/Civil/1971)	Tade Shreyash Shriram, 13738, CHE
Bishwanath Jha Memorial Scholarship	Nirmal Kumar Jha (BT/EE/77)	Raunak Shamnani, 12562, CSE
Bhagwan Das Kapoor Memorial Scholarship	AIM FOR SEWA (TRUST)	Akash Waghela, 13064, CSE
BGM Kumar Foundation	Birendra Kumar (BT/ME/76)	Madhabendra Pradhan, 10375, AE
Dr. Hari Mohan and Pushpa Srivastava Scholarship	Amitabh Srivastava (BT/EE/79)	Subhajit Mohanty, 11731, EE
Dr. M. Anantaswamy and Vijayalakshmi Rau Scholarship	Dr. M. Anantaswamy and Mrs. Vijayalakshmi Rau Scholarship	Mohammad Saifullah, 13407, CE
Dr. Gurucharan Singh Kainth Scholarship	G. S. Kainth (former faculty member, ME, IITK)	Ravindra Rawat, 12571, CHE Pratik Agarwal, 10523, MSE Punit Chotia, 11544, EE

Name of the Scholarship	Instituted by	Recipient of the Scholarship
Govind and Indira Srikantiah Scholarship	G. Srikantiah (Former faculty member IITK, ME)	Abhishek Sharma, 11030, ME
Indra Dhanush Award Scholarship	Rohit Verma (BT/MME/90) and Amita Verma nee (Agrawal) (MSc/PHY/90)	Pranav Kumar, 13490, EE
Khem Chandra Yadav Scholarship	Ranjit Singh (BT/MME/65)	Piyush Panchal, 13475, ME Salil Mishra, 13606, EE
Yasoda Yadav Scholarship	Ranjit Singh (BT/MME/65)	Shrey Agarwal, 11695, CE Ramanish Singh, 12556, CHE
Neta Ji BalwanSingh Scholarship	Ranjit Singh (BT/MME/65)	Shubham Tripathi, 12707, BSBE Abhijit Sharang, 10007, CSE
Sarpanch Salik Ram Katiyar Scholarship	Ranjit Singh (BT/MME/65)	Ranjeet Kumar, 13554, MSE Shibendu Saha, 11679, ME
Guru Ji Ghashit Ram Scholarship	Ranjit Singh (BT/MME/65)	Mohit Singh Solanki, 12419, CSE Shivansh Awasthi, 10692, AE
Ramesh Chandra Yadav Scholarship	Ranjit Singh (BT/MME/65)	Gaurav Kumar, 13852, CHM Rishi Kumar, 13907, MTH
Mathur Brother Scholarship		Harpreet Singh, 13288, CSE
Nita Goyal & Ashish Gupta Scholarship	Nita Goyal and Ashish Gupta (BT/CSE/1988)	Yatish Madatwal, 13919, MATH Abhishek Kumar, 12025, CE Jayant, 11336, ME Sachin Agrawal, 10619, MSE
Mahesh and Sashi Chandra Scholarship	Manish Chandra (BT/CSE/87)	Amit Kumar Sahu, 13100, CHE
Prof. CNR Rao Science Talent Scholarship	Prof. CNR Rao (Former faculty member at IIT Kanpur)	Aksshat Goel, 10063, ECO
Protima Ghosh Memorial Scholarship	Ranodeb Roy (BT/CSE/90)	Manish Yadav, 13387, BSBE
Pt. Balajee Govind Hardiker Memorial Scholarship	M. B. Hardiker (former staff member)	Amit Kumar Singh, 13101, AE

Name of the Scholarship	Instituted by	Recipient of the Scholarship
Smt. Jagat Kaur Memorial Scholarship	Rajiv Singh (BT/ME/1988)	Saurabh Dixit, 10656, CE
Shri Shanker Lal and Shrimati Prema Devi Agarwal Memorial Scholarship	Shrawan Kumar Agarwal (BT/EE/1967)	Om Prakash, 11478, CE
Smt. Padma Kapoor Memorial Scholarship	Arun Kapoor (BT/ME/1967)	Lakshay Idiwal, 12377, CHE
Swami Sivananda Memorial Scholarship		Nalini Ranjan, 10428, EE Shubham Gupta, 11704, CE Ankesh Nehara, 12118, EE Ayush Agrawal, 13181, EE
Shanti and Ramkishore Sahai Saxena Memorial Scholarship	Ashok and Madhu Saxena (BT/ME/1970)	Preetansh Goyal, 13508, CSE Vipul Gupta, 11810, EE
Swaminathan and Garg Scholarship	Sanjay Garg (BT/AE/1980)	Abhishek Kumar Shashtry, 11028, AE
Shiv Prakash and Dayawanti Sharma Memorial Scholarship	Veena Sharma and Satish Chandra Sharma (BT/CHE/66)	Anurag Singh Yadav, 11142, ME
Shiv Kumari Shukla Scholarship	Devendra K. Shukla (BT/CE/67)	Isha Agrawal, 11320, EE
Suman Gupta Scholarship	S. K. Gupta (PhD/MTH/66) and former faculty member, MTH, IITK)	Manoj Kumar, 13899, MTH
Smt. Sarswati Singh Scholarship	Manoj K. Singh (BT/ME/1984)	Amish goel, 10071, EE
Shri D.P. Shukla Scholarship	Devendra K. Shukla (BT/CE/67)	Dainik Bharatkar, 12197, ME
Sudarshan Kasturia Memorial Scholarship	Sanjay Kasturia (BT/EE/1981)	Vasu Sharma, 12785, CSE
S.C. Mehrotra Scholarship	S. C. Mehrotra	Varun Kumar, 12783, CE
Srikant Mishra Scholarship	Sobi Pandey	Ram Prakash, 11983, PHY
Sri Jamuna Prasad & Smt. Basanti Gupta Scholarship	Mani Gupta (BT/MME/1971)	Ketan Jain, 11361, MSE
Sri Temasek IIT Scholarship	Damodaran Murali (BT/AE/81)	Pushpendra Singh, 11548, EE

Name of the Scholarship	Instituted by	Recipient of the Scholarship
Shri Bihari Lal Srivastava & Smt. Nalini Srivastava Memorial Scholarship	Chandra Mohan Srivastava (BT/CHE/1965)	Manish Kumar, Y9319, CSE
Tarun Sondhi Memorial Scholarship	Vipin Sondhi, brother of late Shri Tarun Sondhi (BT/ME/78)	Sushant Prabhakar Chalwad, 12742, CHE
Vasudeo Laxman Sahasrabuddhe Vaidya Scholarship	Veena Sahasrabuddhe (Wife of Prof. Hari V. Sahasrabuddhe (MTech-PhD/CSE/1968) – former faculty member, CSE, IITK)	Rajat Binaykiya, 10568, ECO Ganesh Kumar Baskar, 11268, ME
Vinay Kapoor Memorial Scholarship	AIM FOR SEWA (TRUST)	PranayJain, 11513, CE
Yogendra Nath & Sushama Gupta Scholarship	Mala and Ashok K. Chandra (BT/EE/69)	Sagar Dewangan, 13598, EE
Ram Rajendra Melhotra Education society Scholarship	R. C. Malhotra (former Director, IITK)	Ravi Shankar, 13979, PHY Sachin Pathak, 13910, MTH Dilip Kumar, 13890, MTH
Prof. Girdhar Gopal Shukla Memorial Scholarship	Ashish Shukla (M.SC.5Year/Math/1997)	Rahul Kumar, 13904, MTH Puja Kumari, 12521, MTH
Ram Prakash Chopra Memorial Scholarship	Rajeev Chopra and Sandeep Chopra (BT/Metallurgy, EE/1985, 1993)	Aaditya Modi, 12045, CSE Sharbatanu Chattejee, 12658, CSE Smriti Kumari, 10327718, EE Vivek Gupta, 11816, CSE
Dr. K.C. Saronwala Memorial Scholarship	Anupam Saronwala (BT/EE/1980)	Swechha, 12751, EE
Sri R & R Chari Scholarship	Rangarajan Vellamore R (BT/ME/1990)	Shubham Karnawat, 12697, ECO
Simran Mandeep Kainth Memorial Scholarship	G. S. Kainth (former faculty member, ME, IITK)	Kumar Aniket, 12367, MSE
M.M. Hasan Memorial Scholarship	Family and friends of late Prof. M.M. Hasan	Shivam Goyal, 13659, EE

Name of the Scholarship	Instituted by	Recipient of the Scholarship
Sandeep & Vinita Agarwal Scholarship	Sandeep Agarwal (BT/CHE/1988)	Saswat Kumar Panda, 13627, ME
Nirmala & Ashok Keshari Scholarship	Piyush Keshri (BT/EE/2009)	Himanshu Gupta, 10299, BSBE
ACC Fellowship	The Director ACC Ltd.	Amartyo Jjiban Basu, 13841, CHM Ashish Sharma, 10158, CHM
Anurag Bartaria Scholarship	C. K. Bartaria (father of late Anurag Bartaria, IITK student)	Dharambir, 13969, PHY
Class of 1984 Scholarship	Class-of-1984	Abhinav Goyal, 13021, CE
K.N. Saluja Scholarship	Hersh Saluja (well wisher of IITK)	Bhaskar Sharma, 13199, CE Alok Ranjan Patel, 12080, ME
Khemchand Memorial Scholarship	Sarwan Kumar (BT/AE/1975)	Deepak Kumar, 12227, BSBE
Kunta Jha Scholarship	Saroj Jha (BT/CE/86)	Chandrakanta, 12209, MSE
N.S. Rajaraman Scholarship	Rajmohan Rajaraman (BT/CSE/91)	Devendra Swami, 11245, CE
Smt. Dharama Vati Garg Scholarship	Avinash Agarwal (BT/EE/77)	Anchal Goyal, 10087, AE
Sri Singhasan Singh Scholarship	Manoj K. Singh (BT/ME/84)	Unnat Jain, 11776, EE
Raj Nath Singh Scholarship	Manoj Singh (BT/ME/84)	Amber Srivastava, 10069, ME
Tapan Kumar & Swapna Bandopadhyay	Subhajyoti Bandyopadhyay (BT/EE/91)	Amandeep Gupta, 11074, CHE
Dr. R.K. Singhal Memorial Scholarship	Sanjay Mittal (BT/AE/1988)	Shashank Chepurwar, 11216, BSBE
Harish & Sushila Chandra Scholarship	Mala and Ashok K. Chandra (BT/EE/69)	Dharmendra, 12238, EE
Prof. Neterlal Kapur Scholarship	Rajan Kapur (BT/EE/75)	Chetan Chauhan, 11217, CE
SY Jakatdar Memorial Scholarship	Vidula S Jakatdar (BT/CHE/1979)	Ankit Shrivastava, 11113, ME

Name of the Scholarship	Instituted by	Recipient of the Scholarship
Shri Kalp Nath Singh Scholarship	Manoj K. Singh (BT/ME/1984)	S. Gautham Raj, 12594, ME
Sagnik Asis Ray Scholarship	Asis Ray (BT/MME/1981)	Rishab Raj, 10599, BSBE
Baljit & Nirmal Dhindsa Scholarship	Ajit Gill (BT/EE/69)	Arpita Sharma, 13149, BSBE Amrita Singh, 12103, BSBE
Jasmine & Mohiuddin Merit Scholarship	Mohiuddin Golam (M.Sc/Stat/92)	Rima Chatterjee, 12908, CHM
Mona & Paramjit singh Scholarship	Ajit Gill (BT/EE/69)	Stuti Agarwal, 10727, BSBE Diksha Gupta, 11255, BSBE
Romesh Chandra Memorial Scholarship	Tushar Deepak Chandra (BT/CSE/88)	Akshay Agarwal, 10058, CSE
Seema Jain Scholarship	Sudhir K. Jain (faculty member, CE, IITK)	Manali Ghosh, 12854, CHM
Smt. Durga Devi Memorial Scholarship	S. K. Dogra (former faculty member, CHM, IITK)	Puja Banerjee, 12858, CHM
Shrimati Bhagwati Rameshwar Goyal Scholarship		Vikash Choudhary, 13791, BSBE
Steel Scholarship	B. Deo (Faculty/MSE/IITK)	Arjun Ram Sevada, 13141, EE Shaik Sushma, 13642, MSE
Vimal Madan Memorial Scholarship	Suarhaa Monica Banerjee	Prachi Gupta, 12485, CSE
Shri Ranbir & Shrimati Mahadevi Chauhan Scholarship	Satya P. Chauhan (BT/CHE/1968)	Avichal Singh, 13174, MSE
Sri Bishamber Gupta & Smt. Anguri Gupta Scholarship	Satish Gupta (BT/EE/77)	Rahul Singh, 13537, CHE
Dr. D R Bhagat Scholarship	Deepak Bhagat (BT/EE/73)	Yuvaneet Kumar Bhaker, 10827, EE Himanshu Shukla, 13309, EE
K.P. Gupta Scholarship	Shantanu Gupta (BT/EE/86)	Jyoti Prakash, 11342, MSE
Kinra Scholarship	Vikram K. Kinra (BT/ME/67)	Amit Singh Gurjar, 13102, CE

Name of the Scholarship	Instituted by	Recipient of the Scholarship
Nitish V. Thakor Scholarship	Mr. Nitish V. Thakor (Faculty member, SOM BME Neuroscience and Neuroengineering at John Hopkins University, USA)	Abhishek Jain, 13027, BSBE
Neeraj Kapoor Memorial Scholarship	Chhaya Rani Kapoor [mother of Late Neeraj Kapoor (MT/ CSE/2002)]	Satyaveer Kumar, 13631, CE
Shanti Devi & Onkar Nath Maiwal Memorial Scholarship	Akhilesh Maewal (BT/ ME/70)	Chandan Kumar Sharma, 13213, CE
Smt. Padmavathy & Prof. R. Shankar Scholarship	Dr. R. Ram Sankar (Btech/CS/2008) and Dr. Uma Rajnam Sankar	Amrit Raj, 13107, MSE
Aedunuthula Prasad Memorial Scholarship	Rama Koteswar Rao Aedunuthula and Sarojini Mattegunta (parents of Late Aedunuthula Prasad (MT/CHE/94)	Vishal Kumar, 13799, CHE
Bimlavati and Nawal Kishore Kapur Scholarship	Deepak Kapur (BT/ EE/1971)	Talari Suresh, 13739, PHY
IWA Bonn Scholarship	President, Indian Women's Association, Bonn, Germany	Tarun Kumar, 13742, CSE
P.D. Murthy Scholarship	Ram Mohan (BT/AE/70)	Hariom Birla, 13285, CHM
Pushpa Garg Scholarship	Atul Garg (BT/EE/1979)	Anand Kumar Gupta, 12108, AE





the rise

SURGE



Summer Undergraduate Research Grant for Excellence (SURGE) at IIT Kanpur: The SURGE program has been very popular amongst students; it provides them access to some of the finest research facilities under personal mentoring by leading faculty members. About 1875 applications were received for SURGE 2013, a clear indication of its increasing popularity. Out of these 70 students were selected for participating in the SURGE program. Since most applications came with excellent research proposals, the committee had a hard time making a selection. There were 63 IIT Kanpur faculty mentors and the team worked hard to ensure that the core of our academic and research endeavours would remain strong in spite of the higher numbers.

At the end of the program each participant was required to make a poster presentation which was evaluated by at least three faculty mentors. The abstracts of all the research projects done during SURGE 2013 are available at:

http://www.iitk.ac.in/dora/templates/giving/data/SURGE_Annual_Report/SURG_2013report.pdf

The success of this program has been possible due to the hard work of the student participants, the enthusiastic and dedicated mentoring by faculty members, the excellent infrastructure of the institute, members of the committee, the service provided by staff members, and the generous financial support by our illustrious alumni.



Distinguished
Lectures



the reverence

Distinguished Lectures

Knowledge is best diffused by a lecture from an expert. Hence the Distinguished Lecture Series has been instituted to further the cause of the spread of knowledge. The aim of the distinguished lecture series is to present excellent speakers describing intriguing topics in an engaging style. These talks address a general audience.

R. R. Dasari Distinguished Lecture Series

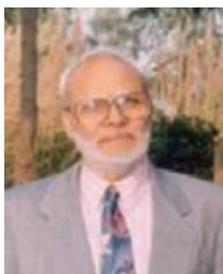


Dr. Kazuaki Sakoda, Managing Director, Photonic Materials Unit National Institute for Materials Science (NIMS), Japan & Professor, University of Tsukuba, Japan gave a lecture titled "*Nanophotonics Studies Based on Modern Optics and Materials Science*" on 19th August, 2013. Prior to joining NIMS as a Senior Researcher in 2002, he was a researcher at the Toray Industries Electronic and Information Materials Research Laboratory and an Associate Professor of the Hokkaido University Research Institute for Electronic Science. He was appointed Director of the NIMS Quantum Dot Center in 2007 and has been Unit Director of the Photonic Materials Unit since 2011.

His lecture was focussed in particular on (1) the control of the radiation field by photonic crystals, metamaterials, plasmonic nano-cavities, and their fabrication technologies, (2) nano-scale materials science like quantum dots, quantum rings, isoelectronic traps, and polariton nano-fibers, and (3) their applications (Purcell effect, photonic Dirac cone, tunable laser, micro-pattern laser, thermal IR source, single-photon source, and entangled photon-pair source).

About the Speaker:

Professor Sakoda is an engineer and scientist by training. He was appointed Director of the NIMS Quantum Dot Center in 2007 and has been Unit Director of the Photonic Materials Unit since 2011. Prof. Sakoda is a very well-known researcher in the area of Photonic crystals and has several seminal publications to his credit. He holds the credit of writing the first comprehensive textbook on the optical properties of photonic crystals. The book provides both introductory knowledge for graduate and undergraduate students and is also a store-house of important ideas for researchers in this field.



About Dr. R. R. Dasari,

Dr. Ramachandra Rao Dasari was born in India in Krishna District of Andhra Pradesh. He had all his education in India receiving B.Sc. in 1954 from Andhra University, M.Sc. in 1956 from Benares Hindu University and Ph.D. in 1960 from Aligarh Muslim University. He joined the faculty of the Department of Physics at the Indian Institute of Technology Kanpur in 1962 and became a full professor in 1973. Prof. Dasari's major accomplishment at IIT Kanpur included the establishment of one of the largest Laser laboratories for university research in India. He left IIT Kanpur in 1978.

After a couple of other stints, he joined MIT in 1980 as a visiting Professor of Physics. In 1981 he was appointed Principal Research Scientist in Spectroscopy Laboratory. In 1984 he was appointed as Assistant Director of the Spectroscopy Laboratory and later promoted as Associate Director in 1992. He oversees project coordination and facility developments of the National Institute of Health supported MIT Laser Biomedical Research Center and also coordinates research programs associated with the National Science Foundation supported Laser Research facility.

Prof. C.V. Seshadri Memorial Distinguished Lecture



Dr. Mahesh S Tirumkudulu, Department of Chemical Engineering, IIT Bombay gave a lecture titled *The Excitement of Watching Paints Dry* on 15th November, 2013. Prior to his current assignment at IIT Bombay he worked as a Postdoctoral Researcher. In his lecture Dr. Tirumkudulu focused on his recent work on film formation and cracking phenomenon in wet films formed from latex dispersions. Paints and Coatings are ubiquitous and find applications in areas as diverse as electronics, construction, appliances, and automotive industry to name a few. Given the recent environment concerns with regards to volatile organics in traditional disperse paint formulations, there is a need

to move towards water-based formulations (or latex, as they are often referred to). In many cases, this requires eliminating organic plasticizers while still achieving homogeneous tack free films that are devoid of cracks. A typical paint formulation contains binder and pigments of colloidal dimensions dispersed in a solvent. The process of film formation in a wet paint film involves evaporation of the solvent, followed by consolidation and coalescence of colloidal particles. The drying and consolidation process give rise to transverse tensile stresses in the film. When the magnitude of the tensile stress exceeds a critical value, cracks nucleate, thereby compromising the mechanical integrity of the film.

About the Speaker:

Dr. Tirumkudulu did his Ph.D from City University of New York, USA in 2001. Prof. Tirumkudulu works in the area of fluid mechanics and colloids and interfaces with focus on research problems related to paints & coatings, atomization with applications to combustion and sprays, and fluid mechanics of bacterial locomotion.



About Prof. C. V. Seshadri

The late **Prof. C. V. Seshadri** was a distinguished chemical Engineer. He did his Ph. D with Prof. Herbert L. Toor of Carnegie Mellon University, Pittsburgh, followed by a Research Associateship at MIT. He joined IIT Kanpur in 1965. He served as the Head of the Department and also as the Dean of Students' Affairs, IITK. While here he wrote the famous best-selling textbook: C.V. Seshadri and S. V. Patankar, Elements of Fluid Mechanics, Prentice Hall of India, New Delhi, 1971.

CVS left IITK in 1974 to join Kasturi Paper Food and chemicals Ltd., Banagalore, where he set up India's first fodder-yeast plant. In 1976, he joined the Shri A. M. M. Murugappa Chettiar

Research Center in Chennai as its founder, director, an institute emphasizing appropriate technology, the forte of CVS. It was here that CVS really blossomed and helped develop several appropriate technologies, including Spirulina Algae. For his efforts in this direction, CVS received the prestigious *Jamanalal Bajaj Award for S & T for rural development* (1981).

About the donors: The corpus of the Professor C.V. Seshadri (CVS) Memorial Distinguished Lecture in the Department of Chemical Engineering, IITK has been set up by several students, family members and friends of CVS. This lecture is to be delivered by a promising young Chemical Engineering researcher (below 45 years) working in India.

Dr. R S Pandey Distinguished Lecture



RS Pandey Distinguished Lecture in Mechanical Engineering: Dr R K Malhotra, Director, Indian Oil Corporation (R&D), gave a lecture titled *Emerging Alternative and Renewable Energy Technologies for Transportation on 29 August 2013*. In his lecture Dr. Malhotra said that fluctuating crude oil prices, deteriorating environment and ever increasing consumption of petroleum products have prompted the leading economies to examine other, commercially viable and environmentally friendly alternative sources of energy. India with its gasoline and diesel fuel consumption

approaching 85 MMTPA, is exploring the co-existence of multiple alternative and renewable energy technologies which are not only eco-friendly but are also cost effective. The global transportation fuel forecasts envisage the dominance of liquid fuels for the transportation sector till 2030. The share of gas is likely to increase in the transport mix with alternative fuels / energy sources meeting about 12-15% of the total mobility demand. He also discussed the co-processing of vegetable oils, conversion of process waste heat to green fuels and biomass gasification. The status of current R&D activities in the area of hydrogen energy were also addressed during the presentation.

About the Speaker:

Dr. Malhotra is a Mechanical Engineering graduate from IT, BHU and received his Ph.D. (Energy Studies) from IIT, Delhi. He is a full time Director on the Board of the Indian Oil Corporation as Director (R&D). He is also a Board Member of Lubrizol India, a JV Company of Indian Oil and Lubrizol USA. He has more than 35 years of research

experience in the downstream petroleum sector and is currently leading research at the R&D Centre of the Indian Oil Corporation in areas such as refining technologies, lubricant technologies, alternative energy, biotechnology, nanotechnology and gasification. He is Chairman of Bureau of Indian Standards (BIS) Committee (PCD : 3) responsible for formulating specifications of petroleum products in India. He is on the Advisory Board of the International Centre for Automotive Technology (I-CAT) under the Ministry of Heavy Industries. He has published more than 140 research papers and holds 35 patents. He is the Founder President of the Hydrogen Association of India, the President of the Indian Chapter of the International Council of Combustion Engines (CIMAC), the President of the Tribology Society of India, the Vice President of the Society of Automotive Engineers (SAE) India and the President of the Indian Chapter of National Lubricating Grease Institute (NLGI).



About the Donor:

Dr. R. S. Pandey Distinguished Lecture Series is supported by Mr. Rakesh Pandey (BT/ME/1978). Under this lecture series, the Department of Mechanical Engineering, IIT Kanpur organizes one lecture in each semester by a distinguished person. Mr. Pandey was the Chief Financial Officer (CFO) of the IITK Foundation till recently. In 2008, he was elected President of the IITK Alumni Association. He is a Distinguished Research Scientist at Olin College of Engineering, an Executive-in-Residence at Northeastern University and a Mentor at Legatum Center, MIT, USA. His recent work has focused on a) poverty alleviation through livelihood improvement aided by technical innovations, and b) conducting workshops for poor people towards empowering them through collective problem-solving methods. He launched and ran Bose's subsidiary in India(1995), started the Bose Technology Center in India (2003) and created the Center for University and Industry Research.

Dr. Devendra Shukla

Distinguished Lecture

Dr. Devendra Shukla Distinguished Lecture Series in Civil Engineering: Dr. K.G. Ranga Raju is a former Professor of Civil Engineering at IIT Roorkee and is currently a hydraulic engineering consultant. He gave a lecture titled *“The Baglihar dam and the Indus waters treaty”* on 18th October 2013. In his lecture he said that during the partition of India, there were fears that India may cut off the supply of water to Pakistan in the Indus valley. At the instance of the World Bank, a carefully framed treaty, viz., The Indus Waters Treaty(IWT) was signed by the two countries in 1960. IWT defines the responsibilities and the rights of the two countries in regard to the Indus waters and also places certain restrictions on the two countries in the development of these waters. For the first time since the signing of IWT, Pakistan raised objections to the design of one of our projects, viz.,The Baglihar Dam on the Chenab, contending that it violated the provisions of the Treaty. The legal and technical arguments put forward by both the sides as well as the decision of the Neutral Expert was discussed during the lecture.



About the Donor:

Dr. Devendra Shukla Distinguished Lecture in the Department of Civil Engineering has been made possible from the donation by Dr. Devendra Shukla (BT/CE/67). Dr. Shukla did his PhD in Structural Engineering from the University of Delaware, USA. Dr. Shukla is the Founder President and CEO, Innovative Technical Solutions, which is now a part of the Gilbane Construction Company.

Professor E. C. Subbarao

Distinguished Lecture

Professor E. C. Subbarao Distinguished Lecture in Materials Science and Engineering:

Dr. R. N. Patra, Chairman & Managing Director of Indian Rare Earths Limited (IREL), a Govt. of India undertaking under the Department of Atomic Energy (DAE), gave a lecture titled *“Beach Sand Minerals processing for materials - prospects and challenges”* on 30th November, 2013.

In his lecture, he said that Beach sand minerals (BSM) are a suite of seven minerals viz. ilmenite, rutile, leucoxene, zircon, sillimanite, garnet and monazite. These minerals are also known as Heavy Minerals (HM), as their densities range between 3.2 to 5.2 gram/cc which are higher than that of silica or quartz constituting the bulk of gangue materials in the beach sand. The first three of these minerals are titanium bearing minerals and they are mostly oxides of iron and titanium. The next three are silicates of zirconium (zircon), aluminium (sillimanite) and iron aluminate (garnet). The last of the BSM is a phosphate of rare earths and thorium which render the mineral radio-active and is the only commercial source of rare earths in India. The titanium, zirconium and rare earths find vast number of applications in ceramic metallurgical, phosphor, magnetics and electronics sector, where as thorium is a potential source of future nuclear power generation in India.



About the Donor:

Prof. Subbarao joined the Institute in 1963. He was the first Head of the Metallurgy Department and was the convener of the graduate programme in materials science. IIT Kanpur was the first institution in India to have Master's and Ph.D. programmes in materials science, thanks to the efforts of Prof. Subbarao. His contributions to materials research have been outstanding. He has trained a number of young people in the area of materials science. Prof. Subbarao's contributions in building IIT Kanpur as a Professor, as a Department Head, and as the first Dean of the Faculty, is truly remarkable.

Samsonov Memorial International Lecture Series



Professor **Dr. Rostislav A. Andrievski** is currently the Principal Scientist at the Institute of Problems of Chemical Physics, Russian Academy of Sciences, Moscow. He gave a lecture titled “Nanostructured materials in extremes” on 11th February 2014. In his talk Prof Andrievski said that his lecture offers a review of the recent advances in theoretical/experimental data on the nanostructured materials (NMs) behavior at high temperatures as well as in radiation, corrosion and deformation environments.

Modern technique progressively increases demands in working conditions and so new development of structural/functional NMs must be familiarized by extreme environments taking in mind the high level of temperatures in radiation, corrosion, and deformation conditions. The high

level of physical/mechanical properties of NMs is due to a nanometric grain size and correspondingly a large share of interfaces, triple junctions, and quadruple points as well as an availability of segregations, nonequilibrium phases, residual stresses, nanopores, and other defects. Thus, almost all NMs are far from equilibrium state. It follows from general considerations that the thermal activation and other effects such as radiation, corrosion, deformation, and others, can stimulate and enhance the diffusion, relaxation, recrystallization, and homogenization processes with partial or total annihilation of nanostructure and degeneration of high level properties. In this connection, the NMs stability is one of the important problems in the new NM development for extreme conditions.

About the Speaker

He obtained his PhD degree from the Institute of Metal- Ceramics & Alloys at Ukrainian Special- ne Academy of Sciences. His research interests are nanostructured materials, super-hard films, high melting point compounds, consolidation of nanomaterials, and stability of nanomaterials. He has supervised 33 PhDs, and published 430 scientific publications including 11 books. He is member of four international editorial boards. Corresponding

Membership of the Kirghiz Academy of Sciences, and Full membership of the International Institute for the Science of Sintering, are among the major honours he has received.

About Professor Grigorii Valentinovich Samsonov

Professor Grigorii Valentinovich Samsonov was born on 15th February 1918 in a town near Leningrad (now St. Petersburg). After earning his first degree at the Nonferrous Metals Institute in Moscow, he joined Soviet Navy. At the end of the Second World War, he was stationed in the Soviet occupied zone of Austria. It was here he became intimately connected with the extensive refractory metal and their compounds. After the cessation of the war, Samsonov returned to Moscow and started his PhD under the guidance of Prof. M. A. Merson (Institute of Steel and Alloys).

He initially worked as Senior Scientist at Institute of Metalkeramika (powder metallurgy) in the Ukrainian Academy of Science at Kiev and later elevated to the post of Deputy Director.

Samsonov's research began with the synthesis of inorganic compounds like carbides, nitrides, borides, silicides, germanides, selenides, phosphides, etc. and the study of structure-properties-processing-performance relations of inorganic materials. To achieve this goal he insisted on the crucial bond between chemistry and physics. Samsonov authored nearly 1500 papers and authored/edited 50 books and monographs.



About the Donor:

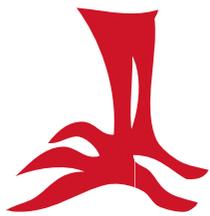
Dr. Gopal Shankar Upadhyaya joined the department of Metallurgical Engineering (now Materials Science and Engineering) at the Indian Institute of Technology Kanpur as Professor in the year 1976. Prior to that he was Associate professor at the University of Roorkee (now IIT Roorkee) from 1964-1975. He was awarded doctorate degree from the Kiev Institute of Technology, Ukraine in 1969 under the guidance of internationally renowned Materials Scientist Professor G.V. Samsonov. Professor Upadhyaya's publications list exceeds 300 papers and 16 authored/edited books. He has served on the Advisory Boards of practically all the major conferences and journals in powder metallurgy. Professor Upadhyaya's past graduate and doctorate students are actively engaged in powder metallurgy research and industry. After retiring from IIT Kanpur (in 2001), Professor Upadhyaya currently resides in Varanasi.







Annual Gift
Programme



the tribute

Annual Gift Programme

The Annual Gift Programme (AGP) of IIT Kanpur is the result of the annual contributions of alumni, well wishers and friends to the institute. The program pools a large number of small donations into a substantial amount. The donations collected under AGP are allocated and used exclusively for activities that are

aimed at promoting excellence amongst students but are not covered by government grants. In 2013- 2014 the institute has received 38.9 lakhs from 312 donations in AGP.

Activities Supported by the Annual Gift Programme

Summer Undergraduate Research Grant for Excellence (SURGE):

IIT Kanpur runs a ten week programme called the Summer Undergraduate Research Grant for Excellence (SURGE) during the summer semester every year. The program aims to promote a culture of research amongst

undergraduate students of not just IIT Kanpur but also of other academic institutes in the country. Students from all over the country are invited to participate in this summer research program and they are mentored by IIT Kanpur faculty members. An important part of this activity is the student exchange program carried out in collaboration with some leading universities of the world. IITK students go for a ten week period to do research work in these universities, and their students come to IIT Kanpur to participate in SURGE. Currently, the universities participating in the program are Caltech, Rice, Ecole Centrale, and Ecole Polytechnique. A major part of the expenses of the program are covered through donations received under AGP.

International Travel Support to Students:

Students are encouraged to write high quality papers for important conferences, and are also encouraged to participate in these events. Partial financial support is provided to them towards travel, registration and other expenses. In 2013 – 2014, 175 students received support to attend international conferences. For details, please visit:

<http://www.iitk.ac.in/drpg/studentwelfare.htm>

Cash Awards to students for journal publications:

A student publishing a paper in any journal listed by the ISI Web of Science receives a cash award of Rs. 10,000. In 2013 – 2014, 171 students received cash awards for publishing papers in such journals.

FM Radio:

During the Golden Jubilee year of IIT Kanpur, FM Radio station was launched for academic purpose in the campus. To run the establishment of the Radio Station, AGP aids this venture with partial financial support.

Opportunity College community service project:

The Opportunity College community service project was started in December 2006, which involves free of cost teaching of vocational and personal skills to unemployed graduates/ under-graduate youth living in and around IITK. The sessions are arranged by IITK students and IITK community members on part time basis. The project is partially funded from AGP Fund.

Schools in campus:

The AGP Fund also provides partial financial aids to 'schools' located within the campus. There are two Institute's schools: Kislaya and Campus School where the wards of faculty and staff members are offered with pre-primary and primary education. Apart from this, there is the Opportunity School, established for the education of the wards of underprivileged staff working in IITK campus.

In addition to the above activities, some amount of AGP funds are also used to support many other events /activities at IITK which need financial assistance.

Alumni Contact Program

The Alumni Contact Program aims to increase the involvement of Alumni with their alma mater. In this program a team of students connects the alumni of IITK, across the world, briefs them about recent developments and happenings in the campus and seeks their participation. As a result the large number of small donations made by the alumni have already amounted to a substantial sum which partially supports a number of activities like SURGE, filing of patents, travel support for students and faculty for attending conferences and cash awards to students for publishing

in high quality journals. The program was started with less than 5 students and in just five years this number has reached 80. Alumni of IIT Kanpur are very resourceful people and they are highly concerned about the overall development of the institute. The Alumni Contact Program provides them with a useful platform to air their views. Here, their suggestions are valued and their donations are put to the best use. The program also provides a great opportunity to students in the team to build long term relationships at a personal level and at the same time to network with alumni at the institute level. It also organises talks like “Tips From The Top” and competitions like “Ideas Incubate”. Besides increasing confidence and improving communication skills, they also get to talk to people who have already lived the life of an IITian.





List of Donor

the endowment

List of Donors

Alumni		
Rs. 4,00,000/- to 99,99,999/-		
Anurag Bist	BT/EE/1989	Newport Beach, CA USA
Arup Kumar Datta	BT/EE/1988	West Newton, MA USA
Ashok Singhal	BT/EE/1983	Menlo Park CA, USA
Ashok Kumar Goyal	BT/ME/1972	Mumbai
Ashok Kumar Gupta	BT/ME/1972	Athens, OH, USA
Gaurav Mathur	BT/CHE/1989	London , UK
Jagjeet Singh Bindra	BT/CHE/1969	Dallas TX, USA
Kesav Vithal Nori	MT/EE/1970	Hyderabad
Manikant Kumar	BT/CSE/2003	Ajmer Rajasthan
Navdeep Bhulli	BT-MT(Dual)/CSE/2007	New York, NY USA
Parth S Chandra	BT/ME/1989	Palo Alto CA, USA
Pramath Raj Sinha	BT/MME/1986	New Delhi
Rohit Verma	BT/MME/1990	Ithaca, NY, USA
Taranbir Singh	BT/CSE/2006	Jersey City NJ, USA
Vineet Gupta	BT/CSE/1989	Palo Alto, CA USA
Rs. 1,00,000/- to 3,99,999/-		
Amit Kumar Lohia	BT/EE/1985	Kanpur
Anil Srivastava	BT/CHE/1987	Naperville, IL, USA
Anupam Saronwala	BT/EE/1980	New Delhi
Asad Zaidi	BT/MME/1989	Dubai, UAE
Ashish Das	BT/CHE/1989	New York, NY, USA
Bantwal Rabindra Nath Baliga	BT/ME/1972	Montreal, QC Canada
Basab Pradhan	BT/ME/1987	Fremont, CA, USA
Bharat Kalyanpur	BT/CSE/1989	Fremont, CA, USA
Bhaskar Roy	BT/MME/1969	Kolkata
Harsh Vinayak	BT/ME/1989	Gurgaon
Keshav Sharma	BT/CSE/1983	Jaipur
Manoj Kumar Srivastava	BT/EE/1989	Potomac, MD, USA
Navdeep Sood	BT/ME/1989	San Diego, CA, USA

Nitin M Vaidya	BT/EE/1989	Shrewsbury, MA, USA
Padmanabhan Krishnan	BT/CSE/1985	Queensland, Australia
Pinakin Jaradi	BT/ME/1972	Suger Land, TX, USA
Pramod Shankar	BT/ME/1968	Redlands, CA, USA
Prashant Kumar Jain	BT/ME/1989	Mumbai
Pratap Narain Misra	BT/ME/1965	Sudbury, MA, USA
Pravin Kumar	MSC5/MTH/1990	Noida
Probhat Kapur	BT/CHE/1986	Randolph, NJ, USA
R Ajeeth Narayana	BT/MME/1989	London , UK
Rahul Awasthi	BT/CHE/1989	Lucknow
Rajiv Verma	BT/CSE/1989	Bangalore
Rajiva Roy	BT/EE/1979	Dallas, TX, USA
Raju Bannur	MT/ME/1988	Switzerland
RRamakrishnan Balasubramanian	BT/ME/1989	San Jose, CA. USA
Sadanand Vinayak Deshpande	BT/CHE/1988	Forest Hills, NY, USA
Sandeep Kumar	BT/EE/1989	Noida Gautam Budhha Nagar
Sanjay Gupta	BT/EE/1988	Lakewood, IL, USA
Sanjay Subhash	BT/EE/1989	Scotch Plains, NJ, USA
Sekhar Ray	BT/CSE/1988	Mckinney, TX, USA
Seshadhri Comandur	BT/CSE/2003	Fremont, CA, USA
Shiv Charan Agarwal	BT/EE/1972	Thane
Sri Narain Gupta	BT/AE/1967	West Windsor, NJ, USA
Srikanth Ranganathan	BT/ME/1989	Darien, CT, USA
Subhash Chandra Garg	BT/AE/1967	Milpitas, CA, USA
Sudhir Mohan Mittal	BT/CHE/1970	Ghaziabad
Sugato Basu	BT/ME/1989	Mumbai
Surajit Basu	BT/CSE/1989	Bangalore
Sushil Kumar Handa	BT/AE/1966	Athens, OH USA
Vinay Kumar Bansal	BT/EE/1988	Ghaziabad
Vipul Kashyap	BT/CSE/1988	South Glastonbury, CT, USA
Vivek Mudgil	BT/EE/1989	Noida

Rs. 20,000/- to 99,999/-		
Abhay Kumar Bhushan	BT/EE/1965	Palo Alto, CA, USA
Abhiram Bhattacharjee	BT/MME/1989	Mumbai
Abinash Nayak	BT/EE/1991	West Chester, OH USA
Abninder Pal Harish	BT/CHE/1970	Gurgaon
Ajay Bordia	BT/ME/1986	Palo Alto CA, USA
Ajay Bhushan Pandey	BT/EE/1983	Mumbai
Ajeet Chakravarti	BT/EE/1972	Bangalore
Alind Sahay	BT/ME/1987	Ann Arbor, MI, USA
Akshat Jain	BT/CHE/2005	San Jose, CA, USA
Alpan Piyush Raval	MSC5/PHY/1990	Hyderabad
Aman Jain	BT/EE/2005	Bangalore
Anil Agarwal	MT/CE/2006	New York, NY, USA
Anindya Palit	BT/ME/1987	Dallas TX, USA
Anjali Joshi	BT/EE/1981	Los Altos Hills, CA, USA
Anubhav Garg	BT/CHE/2007	Kanpur
Anurag Agarwal	BT/EE/1986	Knoxville, TN, USA
Anurag Gupta	MSC5/PHY/1997	San Jose, CA, USA
Arun Prasad	BT/CE/1979	Mumbai
Arun Seth	BT/EE/1973	New Delhi
Arup Kumar Mukherjee	BT/EE/1976	Pensacola, FL, USA
Arvind Krishna	BT/EE/1985	Ridgefield, CT, USA
Ashish Bhatia	BT/ME/2004	Batesville, IN, USA
Ashok Vasant Dandekar	BT/ME/1975	Plano, TX, USA
Atul Dikshit	BT/ME/1989	Gurgaon
Atul Kumar Gupta	BT/CE/1981	Huntington Woods, MI, USA
Aurobind Satpathy	BT/MME/1992	Chicago, IL, USA
Bhar Bhaskar	MT/EE/1996	Bangalore
Bhupendra Nath Tandon	BT/EE/1976	Springfield, VA, USA
Brij Raj Mohal	BT/MME/1982	Kendall Park, NJ, USA

Chandra Deo Singh	BT/CE/1986	Gurgaon
Chitturi Trinadha Rao	PHD/CHM/1987	Vadodara
Deepanshu Dwivedi	MT/CHE/2009	Oslo, Norway
Dhairya Srivastava	BT/ME/1985	Los Altos, CA, USA
Dimple Modgil	MSC5/PHY/1990	Naperville, IL, USA
Diwakar Pandey	BT/ME/1986	Rockville, MD, USA
Hemant Gupta	BT/EE/1980	Jaipur
Hemant Kumar	BT/EE/1977	New Delhi
Jastej Singh Dhingra	BT/EE/1986	Southborough, MA, USA
Kailash Chanduka	MSC5/MTH/1990	Bangalore
Kamesh R. Aiyer	BT/EE/1974	Cambridge, MA, USA
Kamlesh Kumar Malhotra	BT/CHE/1969	New Delhi
Kapil Kapur	BT/EE/1989	Stanmore, UK
Kavery Muthana	BT/EE/1970	Chillicothe, Ohio, USA
Mahesh Paolini-Subramanya	BT/EE/1986	Brooklyn, NY, USA
Manas Saksena	BT/CSE/1988	San Jose, CA, USA
Manish Tandon	BT/EE/1989	Bangalore
Manohar Lal Hasija	BT/EE/1968	New Delhi
Manoj Kumar Das	BT/CSE/1993	Fremont, CA, USA
Mohan Goil	BT/ME/1977	Caldwell, NJ, USA
Mohit Uberoi	BT/CHE/1986	Appleton, WI, USA
Nagendra Goel	BT/EE/1989	Mclean, VA, USA
Naresh Ratanshi Shah	BT/ME/1974	Mumbai
Natraj Sarma	MSC5/CHM/1990	Juffair, Bahrain
Navtej Singh Saluja	BT/MME/1986	Markham, Canada
Nikesh Chandra	BT/CE/1989	New Delhi
Nilmani	BT/CE/1989	Pune
Niraj Vasisht	BT/CHE/1986	Cary NC, USA
Pinaki Ranjan Das	BT/AE/1989	Noida
Prabhu Kumar Aggarwal	BT/ME/1986	New Delhi
Pratyush Kumar Prasoon	BT/EE/1999	Noida
Priti Srivastava-Moudgill	BT/CHE/1988	Dobb's Ferry, NY, USA

Rajesh Gupta	BT/ME/1989	Kanpur
Rakesh Kumar Tripathi	Bt/Mme/1988	Irvine, CA, USA
Ram Narayan Tewari	BT/CE/1969	North Potomac, MD, USA
Ranjeet Banerjee	BT/CHE/1986	Kinnelon, NJ, USA
Ratna Sarkar	BT/EE/1981	Houston, TX, USA
Ratnesh Prasad	BT/CSE/1986	Edison, NJ, USA
Ravi Jain	BT/CHE/1978	Bridgewater, NJ, USA
Ravindra Karnad	BT/EE/1981	Bangalore
Ravindra Kumar Ahuja	BT/ME/1977	Gainesville, FL, USA
Rishiksha T Krishnan	MSC5/PHY/1986	Bangalore
Roli Garg Wendorf	BT/EE/1976	Cortlandt Manor, NY, USA
Sabyasachi Mitra	BT/ME/1985	Marietta GA, USA
Sameer Agarwal	MSC5/MTH/2000	Lake Forest Park, WA USA
Sandeep Fuller	BT/EE/1986	Gurgaon
Sanjay Pundlikrao Ghatare	BT/CSE/1989	San Jose, CA, USA
Sanjeev Kumar	BT/EE/1986	Lakeway TX, USA
Santosh Kumar Tewari	BT/CE/1968	Northville, MI, USA
Satya Pal Singh Chauhan	BT/CHE/1968	Columbus, OH, USA
Shailendra Mehrotra	BT/CHE/1988	Sugarland, TX, USA
Sharad Mehrotra	BT/CSE/1988	Irvine, CA, USA
Shri Nath Gupta	BT/EE/1972	Sunrise, FL, USA
Subroto Kumar Basu	BT/ME/1977	Wyoming, OH, USA
Suneel Gupta	BT/EE/1984	New Delhi
Sunil Ramraje Bhonsle	BT/CHE/1972	Oakland, CA, USA
Sunil Banthiya	BT/CHE/1989	Bangalore
Sunil Saha Roy	BT/MME/1988	Coppell, TX, USA
Surendra Singh Yadav	BT/CHE/1978	New Delhi
Swapan Johri	BT/CHE/1986	Noida
Tushar Nene	BT/ME/1993	Princeton, NJ, USA
Tushar Deepak Chandra	BT/CSE/1988	Los Altos, CA, USA
Umang Gupta	BT/CHE/1971	San Mateo CA, USA
Upal Roy	BT/MME/1989	New Delhi
Vijay Singal	BT/CHE/1975	Blacksburg, VA, USA

Vikas Bery	BT/CHE/1970	West Chester, PA, USA
Vikram Kaul	BT/ME/1994	Jersey City, NJ, USA
Vinay Bassi	BT/CE/1989	Noida
Vinod G J Peris	BT/EE/1989	Cupertino, CA, USA
Vipul Kumar Agrawal	BT/MME/1977	Kanpur
Vishwajit Kumar Sinha	BT/CHE/1986	Gurgaon
Vivek Sarkar	BT/EE/1981	Houston, TX, USA
Vivek Ramesh Naik	BT/MME/1982	Navi Mumbai
Y Srinivas Ramakrishna	BT/EE/1986	Pleasanton, CA, USA
Rs. 4,000/- To 19,999/-		
Abhaya Kumar	BT/EE/2002	Bangalore
Abhijit Kumar Choudhury	BT/EE/1986	Cupertino, CA , USA
Aditya Negi	MBA/IME/2003	Pune
Ajay Kumar	PHD/AE/1974	Tabb, VA, USA
Ajay Murmu	BT/ME/2008	Talcher
Ajay Bhoj	BT/EE/2013	Hillsboro, OR, USA
Akshay Kumar Sharma	MT/CE/1987	New Delhi
Alok Pandit	MT/CHE/1986	Pune
Alok Ranjan	BT/MME/1975	New Delhi
Alok Kumar Gupta	MT/EE/1993	Bangalore
Alok Kumar Mathur	BT/EE/1987	Cupertino, CA, USA
Amit	BT/ME/1999	Princeton, NJ, USA
Amitabh Misra	BT/CHE/1995	Noida
Anand Hanmant Sabale	MT/IME/2003	Pune
Anand Vivek Srivastava	BT-MT(Dual)/CSE/2006	Bangalore
Ananth Koppikar	BT/CHE/1986	Penington, NJ, USA
Anil Saigal	BT/EE/1974	S Barrington IL, USA
Anil Gajanan Kaprekar	BT/CHE/1986	Mumbai
Anil Kumar Agarwal	BT/ME/1983	Navi Mumbai
Anil Kumar Bhala	BT/ME/1973	Naperville, IL, USA
Anil Ramkrishna Nerurkar	BT/EE/1977	Wayne, NJ, USA
Ankit Saxena	BT/EE/2009	Gurgaon

Anshu Mala Agrawal	BT/ME/1986	New Delhi
Anupam Srivastava	BT/CHE/1986	Navi Mumbai
Anupam Kumar Garg	BT/EE/1982	Noida
Anurag Agarwal	BT/ME/1986	Chandigarh
Anurag Singh	BT/CE/1986	Malvern, PA, USA
Arkadip Sarkar	MSC2/MTH/2005	Kolkata
Arnab Sinha	PHD/EE/2010	Bellevue, WA, USA
Arun Kumar Singhanian	BT/CHE/1968	Houston TX, USA
Ashish Gupta	BT/EE/1986	San Jose, CA, USA
Ashish Trivedi	BT/CE/2000	East Hanover, NJ, USA
Ashish K. Xavier	BT/CHE/1991	Los Altos, CA, USA
Ashish Mohan Kar	BT/MME/2005	Santa Clara, CA, USA
Ashutosh Maruti Bijoor	MSC5/MTH/1987	Mumbai
Ashutosh Singh	PHD/MTH/1993	Charlotte, NC, USA
Atul Kumar Goyal	BT/ME/1980	Frederick MD, USA
Avinash Kumar Mathur	BT/CE/1971	Gorakhpur
Bhuvan Dayal Srivastava	BT/ME/1986	Harrington Park NJ, USA
Bibhas Kumar Thakur	BT/CE/1986	Bhopal
Bikash Kumar Mohanty	BT/EE/1986	Bhubaneswar
Biswajit Bhattacharya	BT/EE/1995	Chesterfield MO, USA
Brij Raj Mathur	BT/MME/1974	Mumbai
Brijesh Verma	BT/CSE/1994	Allen, TX USA
Chandravir Saran Das	BT/MME/1977	Chennai
Debashis Ghoshal	BT/ME/1986	San Jose, CA, USA
Deepika Khosala	BT/EE/1986	New Delhi
Devarapally Venkatramana Reddy	MT/CSE/2003	Hyderabad
Devendra Kumar Tripathi	MT/EE/1986	Union City, CA, USA
Devendra Narain Singh	BT/CE/1986	Mumbai
Dinesh Chandra Verma	BT/CSE/1987	Mount Kisco, NY, USA
Furtado Cyril Alexander	BT/EE/1982	Sunnyvale, CA, USA
G P Youvaraj	PHD/MTH/1989	Chennai

Gaurav Sachdeva	BT/MME/2002	Pune
Girish Chandra Pandey	BT/CHE/1986	Heidelberg, Germany
Gopal Dass Lakhani	PHD/MTH/1971	Lubbock, TX, USA
Gopalpur Nagendrappa	PHD/CHM/1970	Bangalore
Harish Jayant Joshi	BT/EE/1975	Monterey, CA, USA
Harmeet Singh	BT/AE/1986	Sunnyvale, CA, USA
I Narayanan Balachandran	BT/CHE/1988	Camarillo, CA, USA
I Ram Kumar	BT/AE/1989	Chennai
Indranil Sengupta	MT/EE/1985	Kolkata
Jaideva Chandranath Goswami	MT/EE/1989	Sugar Land, TX, USA
Jayanta Kumar Bandyopadhyay	MT/CHE/1989	Katy, TX, USA
Joydeb Mukherjee	MT/CHE/1992	Bangalore
Jyoti Swarup	BT/ME/1987	Bangalore
K Krishnamoorthy	PHD/MTH/1984	Lafayette, LA, USA
Kamlesh Mundra	BT/MME/1986	Clifton Park, NY, USA
Kannan Krishnan	BT/ME/1972	Davis, FL, USA
Karun Jain	BT/EE/1998	Monrovia, CA, USA
Kaushal Kishore Anand	BT/ME/1985	Kanpur,
Ketan Bhagat	BT/CHE/1973	Vadodara
Kiran Chutkey	BT/AE/2004	Sangareddy
Kishore Kumar Yalamanchili	MT/CE/1985	Princeton, NJ, USA
Kolandayan Chinnapan	BT/ME/1983	York, PA, USA
Koripella Ramesh Chowdary	MT/MME/1981	Albuquerque, NM, USA
Krishna Mohan Nagpal	BT/CSE/1983	Chappaqua, NY, USA
Krishnaswamy Shrinivasan	BT/AE/1970	Columbus, OH, USA
M S Badrinarayana	BT/EE/1973	Santa Clara, CA, USA
Manas Mandal	BT/CSE/1985	Palo Alto, CA, USA
Manavendra Misra	BT/EE/1987	Golden, CO, USA
Manish Prakash	BT/CE/1997	Bangalore
Manjunath Jagannathrao	MT/CSE/1994	San Jose, CA, USA
Mayank Agarwal	BT/EE/1999	Pune

Mohammad Kasim	MT/EE/2000	New Delhi
Mohan Krishan Muju	MT/ME/1968	Gaziabad
Mohit Mittal	BT/EE/1996	Monroe Twp, NJ, USA
Mrinal K Bandyopadhyay	MT/CHE/1984	Howrah
Mukesh Kumar Khattar	BT/ME/1972	San Jose, CA, USA
Nadarajah Kesavan	BT/EE/1990	Markham, ONT, Canada
Naresh Sharma	BT/ME/1986	Casalmaggiore, Cremona, Italy
Nazish Hoda	BT/CHE/2003	Houston, TX, USA
Neeraj Kumar	BT/CE/1991	Noida
Neeraj Mathur	MSC5/STAT/1999	Mississauga, ON, Canada
Neeraj Kumar Bansal	BT/ME/1991	Ghaziabad
Nikhil Sharma	BT/ME/1986	El Dorado Hills, CA, USA
Nilotpal Mitra	MSC5/PHY/1977	New York, NY, USA
Nirmalendu Sarkar	BT/ME/1987	Hardwar
Om Prakash Kapoor	PHD/MTH/1966	New Delhi
Onuttom Narayan	MSC5/PHY/1987	Santa Cruz, CA, USA
P Nagarajan	BT/CSE/1986	San Jose, CA, USA
P Venkataraman	BT/AE/1974	Rochester, NY, USA
Paraminder Singh Sahai	BT/CSE/1986	San Jose, CA, USA
Paretoish Misra	BT/MME/1998	New York, NY, USA
Paritosh Kasliwal	MSC2/PHY/1968	Los Angeles, CA, USA
Parokkaran Paul Anthony	BT/ME/1986	Singapore
Prabodh Mathur	BT/ME/1981	Laguna Niguel CA, USA
Pradeep Kumar	BT/ME/1974	Mumbai
Pradeep Kumar Jain	BT/ME/1979	Los Angeles, CA, USA
Pradeep Raj Arusia	BT/ME/2001	Noida
Pranav Garg	BT/EE/2003	Princeton Jct, NJ, USA
Puneet Saxena	BT/ME/1989	Coppell, TX, USA
Puneet Singla	BT/AE/2000	Amherst, NY, USA
Pushkar Misra	BT/ME/1986	Manila, Philippines
Pushpraj Shukla	BT/CSE/2005	Kirkland, WA, USA
R Santosh Kumar Rao	MT/ME/2003	Pune

Raghav Pant	BT/CE/2006	Oxfordshire, UK
Rahul Pitty	BT/AE/2008	Jaipur
Rajaram Gokul	BT/CSE/1995	Los Altos, CA, USA
Rajeev Kumar	BT/ME/1993	Riverside, CA, USA
Rajeeva Kumar	BT/AE/1989	Clifton Park, NY, USA
Rajesh Ghai	BT/CHE/1992	Irving, TX, USA
Rajesh Kumar Arora	BT/EE/1989	Sugar Land, TX, USA
Rajiv Bhatnagar	BT/ME/1976	Acton, MA, USA
Rajiv Shivpuri	BT/AE/1972	Dublin, OH, USA
Rajnish Singh Karki	BT/CHE/1986	New Delhi
Rakesh Kumar Goyal	BT/CHE/1993	Mumbai
Rakesh Kumar Mittal	MT/CHE/1985	Dibiyapur
Ram Naresh Singh Rathore	BT/CHE/1971	Randolph, NJ, USA
Ramesh Kumar Jain	BT/CHE/1970	Mumbai
Ranjan Kumar	BT/ME/1986	Edison, NJ, USA
Ratan Deep Bhagat	BT/EE/1977	Memphis, TN, USA
Ravindra Mathur	BT/ME/1972	Noida
Ravindra Prakash	BT/EE/1973	San Jose, CA, USA
Ravindra Ranade	BT/EE/1976	Pune
Richa Agarwal	MSC5/MTH/2000	Issaquah, WA, USA
Ritimukta Sarangi	MSC2/CHM/2001	Palo Alto, CA, USA
Ruchita Parat	BT/EE/1988	Palo Alto, CA, USA
S Ravindhran	MT/EE/1981	Fremont, CA, USA
Sadashiv Srinivas Rao	BT/CHE/1982	Mumbai
Sajal Kumar Shukla	MT/CHE/2008	Raipur
Sambit Kumar Dash	MT/ME/1998	Bangalore
Samir Khullar	BT/CSE/1986	Silver Spring, MD, USA
Sandeep Govil	BT/ME/1986	Basking Ridge, NJ, USA
Sangeeta Bist	BT/AE/1986	Palo Alto, CA, USA
Sanjai Bhargava	BT/EE/1986	Potomac, MD, USA
Sanjay Agrawal	BT/EE/1986	Saratoga, CA, USA

Sanjay Agrawal	BT/ME/1986	Mumbai
Sanjay Khandelwal	BT/CHE/1986	New Delhi
Sanjay Khare	BT/EE/1986	Gurgaon
Sanjay Pradhan	BT/CHE/1986	Pune
Sanjay Kumar Pandey	BT/MME/1986	Metuchen, NJ, USA
Sanjay Kumar Shukla	MT/ME/2007	Bangalore
Sanjay Lachman Chandiramani	BT/MME/1986	Rostrevor, SA, Australia
Sanjiv Khosla	BT/CSE/1986	New York, NY, USA
Sanjiva Keshava Lele	BT/ME/1980	Sunnyvale, CA, USA
Saroj Kumar Jha	BT/CE/1986	Landover, MD, USA
Satya Narayan Zindal	MT/EE/1972	Gurgaon
Satya Ranjan Kumar Das	BT/ME/1999	Noida
Saurabh Srivastava	BT/CSE/1998	Sunnyvale, CA, USA
Shaheen Shah	BT-MT(Dual)/EE/2009	Udaipur
Shakti Gupta	BT/CHE/1999	San Diego, CA, USA
Shankar Gopal Krishnan Iyer	BT/EE/1982	Cupertino, CA, USA
Shantanu Sen Sharma	BT/MME/1986	Pune
Sharad Agarwal	BT/EE/1986	New Delhi
Shashikant Gopalrao Adsul	MT/ME/1996	Bangalore
Shiv Kumar Agarwal	BT/EE/1998	Milpitas, CA, USA
Shiva Kumar Pant	BT/CE/1968	Oak Hill, VA, USA
Shobhit Chauhan	BT/CE/1995	Lyndhurst, NJ, USA
Shrikant Shashikant Kulkarni	BT/MME/1986	Nashik
Shuchi Priye Khurana	BT/MME/1998	Metairie, LA, USA
Shyamalesh Khan	BT/CSE/1987	Ranchi
Simanchala Dash	BT/CE/1986	NewDelhi
Sithamraju Giridhar	MT/IME/1981	Irvine, CA, USA
Smita Agarwal Nee Hashim	BT/EE/1986	Saratoga CA, USA
Soumen Sarkar	MSC2/PHY/1999	Bangalore
Sudarshan Narahari Murty	MT/CSE/1990	Plainsboro, NJ, USA
Sudhir Kumar Sinha	PHD/CHM/1972	Metairie, LA, USA

Sudhir Shantaram Chandratreya	BT/MME/1974	Los Altos, CA, USA
Sudhirkumar J Jhaveri	BT/CHE/1975	Thane(W)
Sudipta Maiti	MSC5/PHY/1987	Mumbai
Sudipta Sengupta	BT/CSE/1997	Princeton, NJ , USA
Sujit Guha	BT/EE/1986	Gurgaon
Sumit Mukherjee	BT/CHE/1991	Ottawa Hills, OH, USA
Sumit Singh	MT/CSE/2012	Lucknow
Sunder Singhani	BT/EE/1986	Westford, MA, USA
Suresh Dattatraya Haridas	MT/EE/1970	Thane
Syed Arshad Moquim	BT/CE/1986	Patna
T V Sriram	BT/EE/1973	Carmel, IN, USA
Tapas Kumar De	PHD/CHM/1989	Culver City, CA, USA
Tushar Singh	BT/CHE/1994	Gurgaon
Udai Pratap Singh	BT/CE/1972	Moraga, CA, USA
Umesh Ratnam	BT/CHE/1985	Fullerton, CA, USA
V Srinivasan	BT/EE/1973	Pune
Vandana Arora Nee Bindra	MSC5/CHM/1987	Old Westbury, NY, USA
Vartika Bhandari	BT/CSE/2002	Hoboken, NJ, USA
Veeramani V	BT/EE/2006	Bangalore
Vijay Kumar Agarwal	PHD/PHY/1976	Ahmedabad
Vijay Kumar Venkatraman	BT/ME/1973	Sunnyvale CA, USA
Vijay Pratap Singh	BT/EE/1986	Delhi
Vijaykumar Ramakrishnan	BT/ME/1983	Philadelphia, PA, USA
Vikas Gupta	BT/MME/1992	San Francisco, CA, USA
Vikas Netarlal Kapur	BT/EE/1988	Sunnyvale, CA, USA
Vikrant Vasant Joshi	MT/CE/1987	Katy, TX, USA
Vimal Kumar Agrawal	BT/CE/1986	Horsham, PA, USA
Vinay Agrawal	BT/CHE/1993	Gurgaon
Vineet Singh Rajput	MT/CSE/1984	Princeton, NJ, USA
Vineeth Kumar Paleri	MT/CSE/1986	Calicut
Vinod P	MT/CSE/2002	Calicut Kerala
Vivek Agarwal	BT/CHE/1997	San Diego, CA, USA
Y Lakshmi Narayana Murthy	BT/CHE/1979	New Delhi

Upto 3999/-		
Abhinav Parate	BT/CSE/2005	Amherst, MA, USA
Achintya	MT/CE/1989	Bhagalpur
Ajitabh Ranjan	BT/AE/1989	Westford, MA, USA
Amit Shrivastava	BT/EE/2001	Santa Clara, CA, USA
Amit Kumar Thakur	BT/CE/2005	Noida
Anil Kumar Sharma	BT/AE/1971	Mumbai
Anirban Roy	MBA/IME/2008	Hyderabad
Aniruddha Mandsorwale	MT/EE/2008	Sunnyvale, CA, USA
Anisingaraju Vidya Sagar	MT/EE/1985	Cupertino, CA, USA
Anurag Bhatnagar	BT/EE/1985	Sunnyvale, CA, USA
Arun Prabhakar Dongrey	BT/MME/1975	Panvel
Ashvin Sharma	BT-MT(Dual)/AE/2006	Bangalore
Atul Gosalia	BT/EE/1974	Scottsdale, AZ, USA
Avinash Misra	BT/CE/1999	Bangalore
Bhupesh Chandra	BT/CSE/2007	Mountain View, CA, USA
C Ramaswamy R	MT/CHE/1999	Kingsport, TN, USA
Debasree Chatterjee	MT/CHE/2007	Kolkata
Dhirendra Dutt Bhupendra Dutt Tripathi	BT/AE/1988	Ahmedabad
Dipankar Chakrabarti	MT/NET/1990	Kolkata West
G N Srinivasa Prasanna	BT/EE/1983	Bangalore
G S S Ramakanthachary	MT/CSE/1984	Princeton, NJ, USA
Gande Thirupathaiah	MT/EE/1982	Cupertino, CA, USA
Hema Rani P	MT/EE/2005	Calicut
Hemant Gupta	BT/BSBE/2011	Mumbai
Hrishabh Gupta	BT/AE/2012	Mumbai
K Sharath Babu	MT/CSE/1981	Hyderabad
Kaustubh Pathak	BT/ME/1996	Bremen, Germany
Khillare Amol Uttamrao	MT/ME/2010	Parbhani
Krishna Kant	MSC5/CHM/2007	Bangalore

Mahim Misra	BT/CHE/2011	Princeton, NJ, USA
Mudit Garg	BT/CE/2012	Mumbai
Mukesh Dalal	BT/CSE/1986	Bedford, MA, USA
Mukul Kumar	BT/ME/1974	Snohomish, WA, USA
Nirvik Banerjee	MSC2/STA/2011	Bangalore
Nitin Jain	MT/IME/1999	New Delhi
Prabhash Kumar	MT/ME/1982	Ranchi
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Ravi Tandon	BT/EE/2004	Princeton NJ, USA
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Subhankar Sen	PHD/ME/2011	Jalpaiguri
Sumeet Gulwani	BT/CSE/2000	Princeton, NJ, USA
Sunil K P James	BT/AE/1990	Chandler, AZ, USA
Sunil Kumar Sabherwal	BT/EE/1970	Ghaziabad
Suresh B Singh	MSC2/CHM/1983	Kendall Park, NJ, USA
Take Sanket Uttamrao	BT/BSBE/2011	Pune
Tale Shreyas Madhav	BT/CSE/2008	Pune
Tarun Kumar Kayal	BT/CHE/1985	Kolkata
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Dean, Resources and Alumni
Indian Institute of Technology Kanpur
Kanpur 208016, (U.P.) India
E-mail: dora@iitk.ac.in, Phone: +91-512-2597635
Fax: +91-512-2590353

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Kanpur - 208016, India

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