

4

Undergraduate Programme



BACHELOR OF SCIENCE (RESEARCH) AND MASTER OF SCIENCE PROGRAMMES

DEAN: P S ANIL KUMAR | PROFESSOR, PHYSICS

ASSOCIATE DEAN: NAGASUMA CHANDRA | PROFESSOR, BIOCHEMISTRY

The undergraduate program in science which began in 2011 has seen four batches of students who graduated with a Four-year Bachelor of Science (Research) degree and three batches of students who graduated with a Master of Science degree. In September 2019, a fifth batch and a forth batch of students will be up for graduation with a Four-year Bachelor's degree and a Master's degree, respectively. In the first four batches, roughly 50% of the students in each batch opted to continue for a fifth year to pursue a Master of Science program. This trend seems to be the norm. The UG students have been continuing to secure fellowships such as S. N. Bose, Khorana, DAAD fellowships, which allows them to carry out summer projects in universities in the U.S.A. or Germany. Some students have taken up summer projects in the industries and several others, in academic institutions within India and abroad. Since the program started in 2011, its popularity has gone up tremendously that it has now become one of the most sought after undergraduate programs for several scientifically oriented, bright, young and energetic minds of the country. This had a strong bearing on admissions for the academic year 2019-'20; the cut offs in various qualifying examinations for admission to the UG program for the academic year 2019-'20 had to be raised compared to the year 2018-19.

CAREER PATHS OF OUTGOING STUDENTS

In each batch, roughly 50% of the students have been opting to continue for the Master's program. Of the remaining 50%, a large fraction of students take the Bachelor's degree and go elsewhere in pursuit of PhD. and other programs. Students who will be graduating in the forthcoming convocation have got admission offers for PhD. or Master's programs in top universities/institutes around the world including within India. This is a testimony of the great reputation that the UG program of the institute has carved out itself in the world scenario in a short span of 8 years. A very small number of students opted to take up jobs and have secured jobs in multinational companies.

CO-CURRICULAR ACTIVITIES

The UG students are also involved in several co-curricular activities apart from academics. The annual national science, technology, and cultural fest called PRAVEGA, an event organized by the UG students brings out the best in these students; additionally, the UG magazine QUARKS which exemplifies their literary talents, and certain other activities such as SAMANWAY, the industry outreach initiative of the institute in which UG students have an active role in organization, RANGMANCH and RHYTHMICA which bring out the dramatic and the dance talents respectively, are a demonstration of their exemplary talents. A young team of undergraduate students from the institute won a gold medal for the second consecutive time at the **International Genetically Engineered Machine (iGEM)** contest held at Boston, USA in October 2018. Over 300 teams from all over the world participated in the competition.

5

Awards / Distinctions



Members of the Faculty have won numerous awards, both national and international, in recognition of their research and development work. Some are listed below:

SHANTI SWARUP BHATNAGAR AWARD

Ganesh Nagaraju (BC)

Ambarish Ghosh (CeNSE)

PADMA SHRI

Rohini Godbole (CHEP)

C. V. RAMAN STATE AWARD (2005: YOUNG SCIENTIST AWARD BY KARNATAKA STATE GOVT)

Govinda Raj (SSCU)

PROF. SATISH DHAWAN AWARD FROM THE GOVERNMENT OF KARNATAKA

Praveen C. Ramamurty (MT)

CNR RAO AWARD FOR NANOSCIENCE

S. Sampath (IPC)

SASTRA-CNR RAO AWARD

Santanu Bhattacharya (OC)

YOUNG INVESTIGATOR AWARD, EUROPEAN MOLECULAR BIOLOGY ORGANIZATION

Vaishnavi Ananthanarayanan (BSSE)

INAE YOUNG ENGINEERING AWARD

Siddharth Barman (CSA)

NASI YOUNG SCIENTIST PLATINUM JUBILEE AWARD 2018

Arpita Patra (CSA)

INFOSYS PRIZE, 2018

S K Satheesh (CAOS and DCCC)



ACADEMY FELLOWSHIPS

INDIAN ACADEMY OF SCIENCES

Arun Kumar (MRDG)

Geetharani K (IPC)

Vaishnavi Ananthanarayanan (BSSE)

Shalabh Bhatnagar (CSA)

Justin R. David (CHEP)

Rohini Godbole, (Council Member) (CHEP)

INDIAN NATIONAL ACADEMY OF ENGINEERING

Srinivasan Raghavan (CeNSE)

Navakanta Bhat (CeNSE)

Ashok M. Raichur (MT)

INDIAN NATIONAL SCIENCE ACADEMY

Arun Kumar (MRDG)

Aninda Jiban Bhattacharyya (SSCU)

Mujumdar PP (CIE)

Ranjan Ganguli (AE)

Har Swarup Memorial Medal, Indian National Science Academy (INSA)

Usha Vijayraghavan (MCB)



OTHER FELLOWSHIPS

CSIR BHATNAGAR FELLOWSHIP

K. Muniyappa (BC)

SENIOR FELLOWSHIP, DBT-WELLCOME INDIA ALLIANCE

Supratim Ray (CNS)

RAMANUJAN FELLOWSHIP

Kartik Sunagar (CES)

Aravind Penmatsa (MBU)

Ahok Sekhar (MBU)

SERB DISTINGUISHED FELLOW

Avadhesh Surolia (MBU)

INSA COUNCIL MEMBER

Manju Bansal (MBU)

J C BOSE FELLOWSHIP

S. Ramakrishnan (IPC)

S. Vasudevan (IPC)

G. Mugesh (IPC)

E. D. Jemmis (IPC)

S. Umapathy (IPC)

A R Chakravarty (IPC)

B. Sundar Rajan (ECE)

Natarajan (SSCU)

Mujumdar PP (CIE)

Vikram Jayaram (MT)

Rohini Godbole (CHEP)

Gadadhar Misra (MA)

Sundaram Thangavelu (MA)

Arindam Ghosh (PHY)

INTERMEDIATE FELLOWSHIP, WELLCOMETRUST DBT INDIA ALLIANCE

Aravind Penmatsa (MBU)

Ahok Sekhar (MBU)

Sona Rajakumari (MRDG)
Tanweer Hussain (MRDG)
Ramray Bhat (MRDG)

RAMALINGASWAMY FELLOWSHIP AWARD

Srimonta Gayen (MRDG)
Apoorva Khare (MA)

DST SWARNAJAYANTI FELLOWSHIP

Ramananda Chakrabarti (CEaS)
Aveek Bid (PHY)

DR. ABDUL KALAM TECHNOLOGY INNOVATION NATIONAL FELLOWSHIP

Bharadwaj Amrutur (ECE)
Navakanta Bhat (CeNSE)

VISVESVARAYA PhD SCHEME – YOUNG FACULTY RESEARCH FELLOW, MEITY

Shankar Kumar Selvaraja (CeNSE)
Sushobhan Avasthi (CeNSE)
Supradeepa V.R. (CeNSE)
Digbijoy N. Nath (CeNSE)

MEITY YOUNG FACULTY RESEARCH FELLOWSHIP

Chandra R Murthy (ECE)

FELLOW OF ORSI, OPERATIONAL RESEARCH SOCIETY OF INDIA - ORSI

Mathirajan Muthu (MS)

NETAPP FACULTY FELLOWSHIP

Yogesh Simmhan (CDS)

ELECTED FELLOW OF INSTITUTION OF ENGINEERS, INDIA

Ashish Verma (CIE)
Radhakant Padhi (AE)

FELLOW, GEOLOGICAL SOCIETY OF INDIA.

Mohan Kumar M S (CIE)

FELLOW OF THE ROYAL SOCIETY OF CHEMISTRY - FRSC

Santanu Mukherjee (OC)
A T Biju (OC)

FELLOW OF INSTITUTION OF CIVIL ENGINEERS, UNITED KINGDOM

Sitharam TG (CIE)

FELLOW OF INTERNATIONAL ASSOCIATION FOR COASTAL RESERVOIR RESEARCH, AUSTRALIA

Sitharam TG (CIE)

CAMBRIDGE-HAMIED FELLOWSHIP

Monto Mani (CST)

ASSOCIATE FELLOW, AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS

Saptarshi Basu (ME)

QUALCOMM INNOVATION FELLOWSHIP

Aditya Gopalan (ECE)



AWARDS AND HONOURS

GANESH NAGARAJU (BC)

Sir. C.V. Raman Young Scientist from Government of Karnataka

National Bioscience Award from DBT

B.M. Birla award

RAO DESIRAZU NARASIMHA (BC)

INSA Prof GNR 60th Birthday Commemoration Medal lecture

PATRICK D'SILVA (BC)

Sir C.V. Raman award for Life Sciences, 2017-18 by KSCST

NAGASUMA CHANDRA (BC)

Elected Fellow, Indian Academy of Science -2018

Highlighted in The Year in JBC: 2018 virtual issue, showcasing the exciting science published this year

K. MUNIYAPPA (BC)

GNR Gold Medal for Excellence in Science & Technology (CSIR)

J. C. Bose Medal (INSA)

RAVINDRANATH HANUMANTHAPPA ALADAKATTI (CAF)

Best Poster Presentation Award at VIII Asian Federation of Laboratory Animal Science (AFLAS) Congress-2018

KARTIK SUNAGAR (CES)

Gyandeep Award for excellence in scientific research on snakes by the Organisation for Wildlife Studies (OWLS) and the Department of Forest for the Maharashtra State. January 2018

RAGHAVENDRA GADAGKAR (CES)

Founder President, Fellow and Life Member, Indian Society of Evolutionary Biologists.

RENEE M. BORGES (CES)

Executive Council Member of the International Society of Environmental Botanists, 2018

Chairperson of the Programme Advisory Committee (PAC) on "Animal Sciences", SERB, DST, 2018 -2021

Member, Sectional Committee, Indian National Science Academy, 2018

Member, Technical Expert Committee (TEC) on Forest and Conservation Biotechnology in Protected Areas, DBT, 2018

SUKUMAR RAMAN (CES)

Lead Author for Working Group 2, Assessment Report 6, Intergovernmental Panel on Climate Change.
Alumni Award for Excellence in Research for Science for the year 2018, Indian Institute of Science.

AMIT SINGH (MCB, CIDR)

National Bioscience Award for Career Development, Department of Biotechnology, India
CDRI Awards for Excellence in Drug Research, CSIR-CDRI

SWANANDA MARATHE (CNS)

Early Career Research Award, DST-SERB

DEEPAK KUMARAN NAIR (CNS)

Prof. Priti Shankar Teaching Award, IISc

RISHIKESH NARAYANAN (MBU)

Revati and Satya Nadham Atluri Chair, Indian Institute of Science, Bangalore

JAYANTA CHATTERJEE (MBU)

Young Scientist award, Peptide Society of India

MANJU BANSAL (MBU)

Nominated Member ICMR Scientific Advisory Board

ARAVIND PENMATSA (MBU)

Innovative Young Biotechnologist Award

DIPANKAR CHATTERJI (MBU)

(p) D. Sc. (h.c.) from Jadavpur University, Kolkata

SRINIVASAN N (MBU)

Scientific Advisory Board of Institute of Bioinformatics and Applied Biotechnology, Bangalore
Board of Studies of Vellore Institute of Technology, Tamilnadu
Delivered Institute Lecture of the Indian Institute of Technology, Roorkee
Invited speaker for InCoB 2018, JNU, New Delhi
Invited speaker in Indian Conference on Bioinformatics (Inbix) organized in Jaipur
Invited speaker in International Symposium on Bioinformatics (InSys) organized in Malaysia
Invited speaker for Leibniz University, Hannover, Germany

MANJU BANSAL (MBU)

GN Ramachandran Award Lecture, 24th IUMB/15th FAOMB Congress, Seoul 2018
GNR Memorial Lecture, Kerala Science Congress, 2018

DIPSHIKHA CHAKRAVORTY (MCB)

Astra Chair, AstraZeneca

AMIT SINGH (MCB)

National Bioscience Award for Career Development, Department of Biotechnology, India
CDRI Awards for Excellence in Drug Research, CSIR-CDRI

KUMARAVEL SOMASUNDARAM (MCB)

Prof. M. Shadaksharaswamy Endowment Lecture Award, The Society of Biological Chemists (India)

SAUMITRA DAS (MCB)

Ronald Ross Oration lecture Award, Institute of Post Graduate Medical Education & Research, Kolkata

SANDHYA VISWESWARIAH (MRDG)

Elected Fellow of The World Academy of Sciences
Rustom Choksi Award for Excellence in Science and Engineering, IISc

RAMRAY BHAT (MRDG)

Member, Indian National Young Academy of Sciences

ARUN KUMAR (MRDG)

National Program Coordinator, DBT-RA Program in Biotechnology & Life Sciences

G. MUGESH (IPC)

Prof. R. C. Mehrotra Commemoration Lecture Gold Medal, Indian Science Congress
CRSI Silver Medal, Chemical Research Society of India
Prof. K. N. Ganesh Endowment Lecture Award, IISER Pune

E. D. JEMMIS (IPC)

Selected for The Year of Science Chair Professorship by SERB, DST

P. S. MUKHERJEE (IPC)

Despande National award
Editorial advisory board of Inorganica Chimica Acta (Elsevier journal)

B. J. CHERAYIL (IPC)

Amrut Mody Chair Professorship, 2015-2018

E. ARUNAN (IPC)

Keynote Lecture at the European Congress on Molecular Spectroscopy 2018
Plenary talk at Exploring the Universe: Near Earth Space Science to Extragalactic Astronomy (EXUNIV2018) at SN Bose NCBS, Kolkata

PRABEER BARPANDA (MRC)

ECS Early Career Travel Grant 2018, USA.
MOPGA Visiting Laureate, Campus France, France.

BIKRAMJIT BASU (MRC)

Global Ambassador award, The American Ceramic Society, USA.
Chartered Engineer (CEng.), Engineering Council, UK.
Distinguished Alumnus, National Institute of Technology (NIT), Durgapur, India.

ABHISHEK KUMAR SINGH (MRC)

Editorial board member of Journal of Physics: Materials, Institute of Physics, UK.

HANUDATTA S. ATREYA (NRC)

Selected on Scientific Program Committee of International Society for Magnetic Resonance,
International Society of Magnetic Resonance

SANTANU MUKHERJEE (OC)

Member of the Editorial Advisory Board of the Journal of Organic Chemistry

PRASAD K.R (OC)

Prof. G S Saharia memorial lecture award, University of Delhi

JAYARAMAN N (OC)

Prof. Paul A. Vatakencherry Memorial Lecture, Cochin University of Science and Technology

A T BIJU (OC)

SERB Distinguished Investigator Award (2018)

CRSI Bronze Medal, Chemical Research Society of India (2019)

Panjab University Bhagyatara Award (2018)

SANTANU BHATTACHARYA (OC)

Visiting Professor, London Science Museum, London, UK

Chemcon Distinguished Indo-US Speaker award

ANINDA JIBAN BHATTACHARYYA (SSCU)

Amrut Modi Chair Professor, 2018-2021

A.V. Rama Rao Foundation Memorial Prize Lecture in Chemistry, 2018)

NATARAJAN (SSCU)

SERB ECR Committee chairman

GOVINDA RAJ (SSCU)

MRSI Medal (2002)

RANGANATHAN SATHISHKUMAR (SSCU)

International Union of Crystallography (IUCr) Congress Best Poster Award at IUCr-Hydrabad

Asian Crystallographic Association (AScA) Best poster Award at AScA Adelaide Australia

BIMAN BAGCHI (SSCU)

Distinguished Visiting Professor, IIT-Bombay (2018-2020)

YADATI NARAHARI (CSA)

Prof. M.C. Puri Award of the Operational Research Society of India (ORSI) for contributions to Operations Research in India

VIJAY NATARAJAN (CSA)

Mindtree Chair

ARKAPRAVA BASU (CSA)

Best paper nominee at 2018 IEEE International symposium on workload characterization, Raleigh, NC, USA

SIDDHARTH BARMAN (CSA)

Pratiksha Trust Young Investigator Award

UDAY KUMAR BONDHUGULA REDDY (CSA)

ACM SIGPLAN PLDI Most Influential Paper award 2018 for paper published at PLDI 2008

HANSDAH RAMESH CHANDRA (CSA)

Best paper award in AINA 2018

ANURAG KUMAR (ECE)

Gujar Mal Modi Award for Innovative Science and Technology, 2018

VINOD SHARMA (ECE)

TATACHEM Chair Professorship, 2018

CHANDRA R MURTHY (ECE)

Satish Dhawan State Award for Engineering Research

PARIMAL PARG (ECE)

HIMANSHU TYAGI (ECE)

Co-authors of the best paper award at ISIT 2018

P.VIJAY KUMAR (ECE)

ACCS-CDAS Foundation award, 2018

K. V.S HARI (ECE)

MGA Leadership Award, 2018

NEELESH B MEHTA (ECE)

Elected Fellow of IEEE

Appointed to the Steering Committee of the IEEE

B. SUNDAR RAJAN (ECE)

Member of the Fellow Evaluation Standing Committee of IEEE COMSOC, 2019-2021

A CHOCKALINGAM (ECE)

PSG Distinguished Alumni Award, 2019

NAVIN KASHYAP (ECE)

Distinguished Lecturer, IEEE Information Theory Society, 2017-2018

ANANDI GIRIDHARAN (ECE)

Vice Chair, IEEE Women in Engineering, Bangalore Section

Chair, IEEE CIS (Bangalore Chapter) (2016-2018)

Elevated to IEEE Senior Member

Member of IEEE-IISc HKN Chapter

SRIRAM GANAPATHY (EE)

DAE Young Scientist Award

SOMA BISWAS (EE)

IEEE Late Shri Pralhad P Chhabria Award for Best Female Engineer (Early Career), 2018

GURUNATH GURRALA (EE)

IEEE PES Outstanding Engineer Award 2018

CHANDRA SEKHAR SEELAMANTULA (EE)

Digital Health Prize, National Bio-Entrepreneurship Competition 2018, from DBT-BIRAC

SUBBA REDDY (EE)

Best poster paper presentation award, at IEEE-ICIIS 2018 Intl. Conference, held at IIT Ropar, Dec 2018

HARDIK J PANDYA (ESE)

Texas Instrument: For Fostering an Ecosystem Bridging Government, Industry, and Academia

CHETAN SINGH THAKUR (ESE)

Early Career Research Award from SERB

CHETAN SINGH THAKUR (ESE)

Young Investigator Award by Pratiksha Trust

CHETAN SINGH THAKUR (ESE)

DST Inspire Faculty Award

MAYANK SHRIVASTAVA (ESE)

National Academy of Sciences, India, (NASI) Young Scientist Platinum Jubilee Award – 2018

Indian National Academy of Science (INSA) Young Scientist Award, 2018

MAYANK SHRIVASTAVA (ESE)

Indian National Academy of Engineering (INAE) Innovator Entrepreneur Award 2018 (Special commendation).

MOHIT K JOLLY (BSSE)

Ramanujan Fellowship, Science and Engineering Research Board

RACHIT AGARWAL (BSSE)

Early Career Award, Science and Engineering Research Board

VAISHNAVI ANANTHANARAYANAN (BSSE)

Intermediate Fellowship, Wellcome Trust/DBT- India Alliance

SASHIKUMAAR GANESAN (CDS)

DAAD Research Ambassador for Germany

ANIRBAN CHAKRABORTY (CDS)

Pratiksha Trust Young Investigator Award

YOGESH SIMMHAN (CDS)

Distinguished paper award, European Conference on Parallel Processing (EuroPar) 2018

YOGESH SIMMHAN (CDS)

VMWare Faculty Grant

NAVAKANTA BHAT (CeNSE)

Nina Saxena Technology Excellence award, IIT Kharagpur
NASI-Reliance Industries Platinum Jubilee award, National Academy of Sciences
Innovator Award, BIRAC-DBT

RUDRA PRATAP (CeNSE)

IEEE Distinguished Lecturer, Sensors Council, IEEE
Convener, INAE Section-X, Indian National Academy of Engineering

SUPRADEEPA V.R. (CeNSE)

Associate of Indian Academy of Sciences, Indian Academy of Sciences

SUSHOBHAN AVASTHI (CeNSE)

INAE Young Engineer Award, Indian National Academy of Engineering

S DASAPPA (ICER)

Amulya and Vimala Reddy Lecture Award in the field of Sustainable Development, IISc.
External Research Supervisor, Royal Melbourne Institute of Technology, Melbourne, Australia

ABDUL RAWOOF PINJARI (CiSTUP)

Associate Editor, Transportation Research Part B.

SHASHI JAIN (MS)

Award in interdisciplinary research, GCS Conclave 2018

JAGADEESH GOPALAN (AE)

Technology Excellence Award to Super-Wave Technology Pvt. Ltd (A start-up company) during
Indian Technology Congress 2018

RANJAN GANGULI (AE)

IISc Alumni Award for Excellence in Research in Engineering

DINESH K. HARURSAMPATH (AE)

Associate Editor, AIAA Journal
Organiser & Chair, 3 Sessions, AIAA SciTech, USA
VFS ARF Executive Board: Indian Representative

SUHASINI GURURAJA (AE)

InSIS Young Investigator Award

RADHAKANT PADHI (AE)

Member of Board of Governors, Centurion University of Technology and Management

SRISHA RAO M V (AE)

Secretary of The Society for Shock Wave Research, India.2018

DEBIPROSAD ROY MAHAPATRA (AE)

DRDO Chair

ASHWINI RATNOO (AE)

Selected as a member for Indian National Young Academy of Science 2018

GOVINDSAMY BALA (CAOS)

Lead Author (IPC)C AR6 report
Editorial board member, ERL Reviews
SSC member, AIMES, Future Earth
Editor, Earth System Dynamics

KUSALA RAJENDRAN (CEaS)

National award for women scientist (MOES)-2018
Member, PAMC, Geosciences committee, MOES
Member, Research Advisory Committee, Indian National Ocean Information Services
Chair, RAC, National Centre for seismology

SAJEEV KRISHNAN (CEaS)

Visiting Professor, IPGP France
Liaison Professor, Niigata University, Japan

NARENDRA DIXIT (CE)

Top 10 original articles in the journal Immunology and Cell Biology for 2017-18
Member, Program Advisory Committee, Chemical and Environmental Engineering, SERB

BHUSHAN TOLEY (CE)

Grand Challenges Exploration-India Award from Bill&Melinda Gates Foundation and BIRAC-India

ANBAZHAGAN P (CIE)

Research Advisor, Nan Yang Academy of Sciences (Singapore) from 13th Day Oct 2018.
Expert Member for Theme meeting on "Design Basis Ground Motion for Nuclear Facilities, by Structural and Seismic Engineering Section, Bhabha Atomic Research Center, Government of India

PRADIPTA BISWAS (CPDM)

Microsoft AI 4 Accessibility Grant Award

RINA MAITI (CPDM)

Invited Keynote talk on Human Engineering in Industrial Design in the 2018 6th International Forum on Industrial Design conference (IFID 2018) at Luoyang, China, during May 18-20, 2018
Editorial Board Member, International Journal of Industrial Ergonomics, Elsevier Journal, since 2009

DIBAKAR SEN (CPDM)

Honorary life membership of Indian Association of Assistive Technology (IAAT)

AMARESH CHAKRABARTI (CPDM)

Career360 Award for Most Outstanding Faculty Researcher in Decision Sciences 2018

MANISH ARORA (CPDM)

Invited Member e-health mission to Netherlands

MONTO MANI (CST)

Award for Best Faculty of the Year for Specific Innovations – manifest in prototypes, patents, etc. at the TechNext India 2018 Annual Industry and Academia Conference and Awards (2018): Technology for Educational Transformation organized by the Computer Society of India (Mumbai Chapter) and IIT Bombay (Feb' 2018).

Commendation letter, for impressive academic achievements, from the selection committee of the 2018 IEEE William R. Cherry Awards Committee under the IEEE Electron Devices Society Executive Office, April 2018.

Panel member, contributor and reviewer for National Building Code 2016: Group 3, Part 11 on Sustainability Considerations in Buildings released Aug' 2017

Delivered Shell Talk (TED talk equivalent) (with Mr. H. Somashekar on behalf of late Prof. S. Lokras) on 'Energy-Sanitation – Energy' as part of Shell's Women and Energy Initiative, 7th March 2017

Mentor in the area of Sanitation for researchers at Venture Centre (National Chemical Laboratory, Pune). Venture

Centre is India's largest Science Business Incubator

Domain Expert in Building Integrated Photovoltaics by (a) The Kuwait Foundation for the Advancement of Sciences (b)

The National Research Foundation, Singapore (c) The Swiss National Science Foundation

Member of Doctoral Research Committee at CEPT University, Ahmedabad

KAUSHIK CHATERJEE (MT)

Editorial Board Member, ACS Applied Biomaterials

ABHIJ CHAUDHURY (MT)

Young Metallurgist of the year award for the year 2018, by the Ministry of Steel, Government of India

GOVIND S GUPTA (MT)

Best paper presentation in ICPPT 2018, Sydney conference

RAJEEV RANJAN (MT)

Distinguished Investigator Award of SERB

Metallurgist of the Year award for the year 2018, from the Ministry of Steel, Government of India

SATYAM SUWAS (MT)

Frederich Wilhelm Bessel Research Award (2017) from Alexander von Humboldt foundation, Germany

PRADIP DUTTA (ME)

President, Indian Society of Heat and Mass Transfer

Chairman, Solar Energy Task Force, DST

S.K. SATHEESH (DCCC)

Infosys prize 2018 Research Award

Astronautical Society of India (ASI)

JUSTIN DAVID (CHEP)

Editorial board of Current Science

Associate Editor of European Physics Journal C

ANINDA SINHA (CHEP)

Editorial Board member for New Journal of Physics

ROHINI GODBOLE (CHEP)

Van der Waals Professor, University of Amsterdam, September -December 2018

JAYANTH G R (IAP)

Instrument Society of India Young Scientist Award, Instrument Society of India

(Nominated) Big on Small Award, International Conference on Manipulation, Automation and Robotics on Small Scales at Nagoya Japan

CHANDNI USHA (IAP)

Infosys Young Investigator Award, Infosys

THIRUPATHI GUDI (MA)

Simons visiting professor – MFO Oberwolfach to visit Humboldt University, University of Essen and University of Twente

MATRICS Grant SERB (March 2019-March 2022)

APOORVA KHARE (MA)

MATRICS Grant (SERB, 2018-2021)

Invited to join Editorial Board of TRIM Series (Hindustan Book Agency)

Invited talk at ICM Satellite Conference, Peru

Invited to join Editorial Board of Sao Paulo Journal of Mathematical Sciences

VENKATESH RAJENDRAN (MA)

Associate of the Indian Academy of Sciences, 2018, MATRICS grant, SERB, 2018-2021

SUNDARAM THANGAVELU (MA)

V.V. Narlikar Memorial Lecture award from INSA

SUBHOJOY GUPTA (MA)

Simons Visiting Professorship grant for visiting Heidelberg University following an Oberwolfach workshop

SRIMANTA MIDDEY (PHY)

ICAM Sponsored QuantEmX Scientist Exchange Award

NIRUPAM ROY (PHY)

Member, International Astronomical Union - IAU

Member, International Union of Radio Science - URSI

Ambassador Scientist of the Alexander von Humboldt Foundation

JAYDEEP KUMAR BASU (PHY)

MRSI Medal

PRERNA SHARMA (PHY)

INSA Medal for Young Scientists

SUMILAN BANERJEE (PHY)

ICTS associate

PRATEEK SHARMA (PHY)

Humboldt fellowship for experienced researchers

SRIRAM RAJAGOPAL RAMASWAMY (PHY)

KITP Simons Distinguished Visiting Scholar, Kavli Institute for Theoretical Physics, University of

California, Santa Barbara

Mayent-Rothschild-Institut Curie Award 2018

Alumni Award for Excellence in Research, Indian Institute of Science, 2018

ARNAB RAI CHOUDHURI (PHY)

Invited to be Member of Advisory Committee for Space Sciences (ADCOS), ISRO

Invited to be Member of Research Council for History of Science, INSA

Invited to be Member of Physics Sectional Committee, INSA

MN Saha Memorial Lecture, Indian Science News Association

ANANDA T BYRAPPA (LIB)

Invited for the 36th Meeting of the Governing Board, INFLIBNET Centre, Gandhinagar, 2018

invited to be a Member of the IOP Library Advisory Board, 2018

Invited to be a member of Royal Society of Chemistry India Librarian Advisory Board

Invited to be a member of the Cambridge University Press South Asian Advisory Board, 2019

Invited to be a member of the selection Committee by Sri Sathya Sai Institute of Higher Learning, Andhra Pradesh, March 14th, 2019





6 Students



6.1 ADMISSIONS AND ON ROLL

During the year, 995 students (462 for research, 65 for Integrated PhD, 358 for course programmes and 110 under graduate programme) joined the Institute taking the number "On Roll" to 4118 (2385 students in research, 343 in Int. PhD, 889 in post graduate and 501 in under graduate course programme).

6.2 SC/ST STUDENTS

38 students belonging to SC/ST in research, 23 in the course programme and 18 in the under-graduate programme joined the Institute in the current year.

ADMISSIONS:

Research: Out of 948 applicants, 697 were called for an interview; 59 were offered admission and 38 joined.

Int. PhD: Out of 115 applicants 30 of them were short-listed and called for an interview, 12 were offered admission and 6 joined.

COURSES:

MTech/MMgt/MDes: Out 863 applicants, 148 were offered admission and 40 joined.

Bachelor of Science (Research): Out of 1908 applicants, 56 were offered admission and 18 joined.

6.3 SCHOLARSHIPS / FELLOWSHIPS

The students participating in research and course programmes are granted scholarships at the Institute ranging from 12,000/- to 40,000/- depending on the programme. Those students who are granted fellowships by agencies like UGC/CSIR and other bodies are not eligible for scholarships awarded by the Institute.

6.4 STUDENTS ASSISTANCE PROGRAMME

Needy students have offered their services in selected Institute activities and have secured additional finances under the "earn-while-you-learn" scheme.

Students Aid Fund: This is a co-operative scheme to assist needy and deserving students through loans, to meet tuition fees, study tour expenses, cost of books, thesis expenses and maintenance at the Institute.

During the period 2018-19, students availed themselves of the loan to the extent of 28,25,000/-

6.5 STUDENTS COUNCIL

The Students Council (an elected body from among the student community) provides an effective channel of communication between the Director, faculty and students.

Through dialogue and discussion on various student matters, problems relating to the students are resolved by initiating appropriate action. The Students Council is also responsible for certain welfare measures initiated by the student community. The publication of 'SCAMPUS', a campus magazine and News Letter of the students is one of its main activities.

6.6 HOSTELS

The Students Hostel consists of 11 Gents and 4 ladies Hostel Blocks. Students, Research Associates and Short-term workers totaling 3496 (2542 Gents and 954 ladies) are provided accommodation in the Hostel blocks.

Four Dining halls (Two vegetarian and Two Composite) provide a variety of food items in clean and hygienic conditions for all the boarders.

The Hostel and Dining halls are managed by the Council of Wardens headed by the Chairman and team.

6.7 AWARD OF MEDALS

The Institute awards medals every year in recognition of the best thesis (both at the Doctoral and Master's levels) in various fields and for excellence in course programmes and projects.

The following tables give the names of the medal and the recipient for the current year:

SL NO	NAME OF THE MEDAL	AWARDEE	DEPT / CENTRE
BEST PhD THESIS			
1	Prof. A K Rao Medal	Dr. Saurabh Upadhyay	AE
2	The Roddam Family Medal	Dr. Nirupam Karmakar	AS
3	Prof. Giri Memorial Medal	Dr. Umakant Sahu	BC
4	The Institute Medal	Dr. Akshay Datey	BSSE
5	Prof. N S Govinda Rao Medal	Dr. Shubhankar Roy	CE
6	The Institute Medal	Dr. Emil Mathew Joseph	CeNSE
7	The Shamrao Kaikini Medal	Dr. Anindita Brahma	CES
8	Prof. N R Kuloor Memorial Medal	Dr. Satyapaul Singh A	CH
9	The Institute Medal	Dr. Naredla Apurva Ratan Murthy	CNS
10	The Alumni Medal (Research)	Dr. Somashekharacharya G Bhaskaracharya	CS
11	The Seshagiri Kaikini Medal	Dr. Manuj Mukherjee	EC
12	Prof. D J Badkas Medal	Dr. Satish Mulleti	EE
13	Tag Corporation Medal	Dr. Bhushan K Kotnis	ESE
14	Dr. Srinivasa Rao Krishnamurthy Medal	Dr. Veerendra Kalyan Jagannadh	IN
15	Dr. J C Ghosh Medal (Physical Chemistry)	Dr. Rohit Jain	IP
16	Prof S Soundarajan Medal (Inorganic chemistry)	Dr. Neena K K	IP
17	The Martin Forster Medal	Dr. S Nanda Kishore Reddy	MA
18	The Institute Medal	Dr. MD Maisur Rahaman	MA
19	Prof. B H Iyer Medal	Dr. Anindita Das	MB
20	The M Sreenivasaya Medal	Dr. Mohsen Sarikhani	MC
21	Prof. B K Subba Rao Medal	Dr. Binita Pathak	ME
22	The Indian Economic Association Medal	Dr. Vimala Rani M	MG
23	The Sudborough Medal	Dr. Ravi Nandan	MR
24	Prof. K P Abraham Medal	Dr. Sumit Bahl	MT
25	The Guha Research Medal	Dr. Kiran R Bettadapur	OC

26	MAA Communications Medal	Dr. Harivardhini	PD
27	Kumari L A Meera Memorial Medal (Theoretical Physics)	Dr. Apratim Kaviraj	PH
28	Prof. Anil Kumar Memorial Medal (Experimental Physics)	Dr. Kallol Roy	PH
29	The Toulouse Medal	Dr. Tushita Mukhopadhyay	SS
BEST INTEGRATED PhD THESIS (MS level)			
30	Dr. R K Maller Memorial Medal	Ms. Harsha Raheja	Biological Scs.
31	Dr. A Nagaraja Rao Medal	Mr. Sayak Mandal	Chemical Scs.
32	Prof. P L Bhatnagar Medal	Mr. Sahil Gehlawat	Mathematical Scs.
33	Kumari L A Meera Memorial Medal	Mr. Saurabh Kumar Srivastav	Physical Scs.
BEST MSc (ENGG) THESIS			
34	Mrs. Sabita Chaudhuri Memorial Medal (research)	Mr. Sachin Sriwastav	AE
35	The P S Narayana Medal	Mr. Mandeep Raj Pandey	CE
36	The Institute Medal	Mr. Vishnu Venugopal	CH
37	Dr. M N S Swamy Medal	Mr. Vinay V Vasista	CS
38	Prof F M Mowdawalla Medal	Mr. R Vinayak	EC
39	The Hay Medal	Mr. Rahul Chakraborty	EE
40	ME Department Alumni Medal	Dr. Bishnu Sanghai	ME
41	The Institute Medal	Mr. Anshul Mittal	PD
BEST ME / M Tech / M Mgt / M Des			
42	Dr. N Narayanamurti Medal	Mr. Harish Subramanian G	AE
43	Nikhil Memorial Medal	Mr. Ali Hasan Siddiqui	AS
44	Motorola Medal	Swayambhu Nath Ray	CDS
45	Prof. N S Lakshmana Rao Medal	Mr. Shashikant Kumar	CE
46	The Institute Medal	Mr. Krutikesh Sahoo	CeNSE
47	Prof. N R Kuloor Memorial Medal	Mr. Surbhi Kumari Ashutosh Kumar	CH
48	The Computer Society of India (Bangalore Chapter) Medal	Pooja Ravi Kulkarni	CS
49	Prof. S V C Aiya Medal	Mr. Soumya Subhra Banerjee	EC
50	The Alumni Medal	Mr. Pillai Muthuraj	EC/ED
51	The DESE Design Medal	Mr. Tessin K Jose	ED
52	The N R Khambhati Memorial Medal	Mr. Shib Shankar Dasgupta	EE
53	The N R Khambhati Memorial Medal	Mr. Aditya Pradiprao Zade	EE
54	Prof. I S N Murthy Medal	Mr. Biju V S	EE/EC
55	Prof. B. G Raghavendra Memorial Medal	Ms. Nivarthi Chandana Priya	M Mgt
56	S V Sastry Memorial Medal	Mr. Dhabalia Virat Vinodbhai	ME

57	The K K Malik Medal	Ms. Natasha Prasad	MT
58	The Institute Medal	Mr. Deval Karia	PD
BEST BACHELOR OF SCIENCE (RESEARCH)			
59	The Institute Medal	Mr. Shreyas Gopalakrishnan	Biology
60	The Institute Medal	Mr. Prathitha Kar	Chemistry
61	The Institute Medal	Mr. Tara Prasad Mishra	Materials
62	The Institute Medal	Mr. Pranav Nuti	Mathematics
63	The Institute Medal	Mr. Gautam Nambiar	Physics

6.8 AWARDS & DISTINCTIONS

FELLOWSHIP

Kushi Anand (MCB, CIDR)

Early Career India Alliance Fellowship, Wellcome Trust- DBT India Alliance

Sahithya Iyer (MBU)

EMBO fellowship to attend the "International Workshop on Biological Membranes: Tiny Lipids with Grand Functions; Helsinki, Finland, 19 - 22 August 2018"

Shabareesh (MBU)

DBT-RA postdoctoral fellowship

Kushi Anand (MCB)

Early Career India Alliance Fellowship, Wellcome Trust- DBT India Alliance

Sarmistha Mahanty (MCB)

Early Career India Alliance Fellowship, Wellcome Trust- DBT India Alliance

Sandhan Prakash (MCB)

Newton Bhabha Fellowship, British Council, Department of Science and Technology (DST) and Department of Biotechnology - DBT

Rohit R Nalawade (MCB)

Shyama Prasad Mukherjee Fellowship, Council of Scientific and Industrial Research (CSIR)

Harsha Raheja (MCB)

Shyama Prasad Mukherjee Fellowship, Council of Scientific and Industrial Research (CSIR)

Asha Sweety Thomas (SSCU)

Shikhar Vashishth (CSA)

Google PhD Fellowship, Google Inc

Anupam Sanghi (CSA)

IBM PhD Fellowship

Kundan Kumar (ESE)

RIKEN R-CCS HPC Youth Workshop Fellowship

EMEA Student Research Workshop Fellowship

Saurabh Gupta (ESE)

[RIKEN R-CCS HPC Youth Workshop Fellowship](#)

Vishal Shaw (ESE)

[Texas Instruments Fellowship](#)

Mr. Gaurav Oberoi (CDS)

[Ricoh M.Tech. Fellowship](#)

Mr. Somil Jain (CDS)

[GE Healthcare M.Tech. Fellowship](#)

Shikhar Vashisth (CDS)

[Google PhD Fellowship](#)

Nishta Arora (CeNSE)

[DST CEFIPRA Fellowship for European School on Nanosciences and Nanotechnology, DST](#)

Pranjal Srivastava, (UG Student) (CeNSE)

[2018 Commonwealth Scholarship for graduate study in the UK, Commonwealth Scholarship Commission](#)

Abinash Tripathy (CeNSE)

[Career-FIT Marie Curie Postdoctoral Fellowship, Enterprise Ireland & E.U.](#)

Abinash Tripathy (CeNSE)

[ETH Postdoctoral Fellowship, ETH Zurich](#)

Gayathri Aaditya (CST)

[BHAVAN fellowship to pursue post-doctoral research on PV integration in buildings at the Lawrence Berkley National Laboratory](#)

Praful. S (DCCC)

Surya Dev Pratap Singh (DCCC)

Abu Bakar Siddiqui Thakur (DCCC)

Jerry B Samuel (DCCC)

Elizabeth Baby George (DCCC)

Saumya Srivastava (DCCC)

Nidhi Kalyani (DCCC)

Ashlin Ann Alexander (DCCC)

Tresa Mary Thomas (DCCC)

Walter Samuel (DCCC)

Reshma Mohan (DCCC / ICWaR)

Shubhi Agrawal (DCCC)

Suhas D. L (DCCC)

Kala Nair. K (DCCC)

Anand N (DCCC)

Jalihal Chetankumar Adappa (DCCC)

Nihar Paul (DCCC)

Nikumbh Akshaya Chandrakant (DCCC)

Pradeep Kushwaha (DCCC)

Sambrita Ghatak (DCCC)

Sneha Santy (DCCC / ICWaR)
Gowri. R (DCCC)
Aditya Baksi (DCCC)
Ali Hasan Siddiqui (DCCC)
Snehlata Joshi (DCCC)
Priyanshi Singhai (DCCC)

Grantham fellowship

Tresa Mary Thomas (ICWaR)
Harsh Chhajer (CE)
Priyanka Agarwal (CE)

Prime Minister Research Fellowship

Asha Sweety Thomas (SSCU)
Mr. Chitturi Sidhartha (EE)
Mr. Lalit Manam (EE)
Bhanupriya Boruah (CE)
IISc-NTU joint PhD program fellowship by Mr. Kris Gopalakrishnan
Bernal-Sanchez, Juan, Edinburgh Napier University. Visiting student at CIE

Newton Bhabha Fellowship.



PAPER/POSTER AWARDS AND ORAL PRESENTATIONS

Narmada Sambaturu SathyaBaarathi

Deepesh Nagarajan (BC)

Press Coverage

Chandrani Thaku (BC)

poster prize

Shivangi Sharma (BC)

Best oral presentation award

Conference: Drug discovery and translational medicine (ddtm-2019) in Annamalai University during 14-16 March, 2019

Satyajeet Gupta (CES)

Best talk titled "Do hitchhikers pose a threat to mutualism" and cash prize of 10000 at SPEEC-UP, IISc, 2018.

Divyansh Mittal (MBU)

Selected for and attended (July–August 2018) the QBio summer research course on Neurophysics of Sensory Navigation at the Kavli Institute for Theoretical Physics, University of California, Santa Barbara, USA

Pavithraa Seenivasan (MBU)

Selected for and attended (June 2018) the Transylvanian Experimental Neuroscience Summer School (TENSS) at The Pike Lake, Transylvania, Romania.

Manisha Sinha (MBU)

Selected for and presented her research work (June 2018) at the EMBO Workshop on "Dendrites

2018: Dendritic anatomy, molecules and function” held during 17–20 June 2018 in Heraklion, Greece

Reshma Basak (MBU)

Selected for and attended (June–July 2018) the Neural Systems and Behavior course at the Marine Biological Laboratory, Woods Hole, USA. (MBU)

Haaris Ahsan Safdari (MBU)

Poster presentation award in International Conference on Microscope and Annual Meeting of Electron Microscope Society of India, IOP, Bhubaneswar.

Ishika Pramanick (MBU)

Poster presentation award in International Conference on Microscope and Annual Meeting of Electron Microscope Society of India, IOP, Bhubaneswar.

Meenakshi Ghosh (MBU)

Poster award at the NuBS annual departmental symposium, 2018.

Seclected and attended to attend EMBO Challengnes for magnetic resonance in biological science, Workshop, Grossetto, Italy

Sahithya Iyer (MBU)

Poster award at the 42nd Annual Meeting of Indian Biophysical Society at IISER-Pune

Best presentation award, European Joint Theoretical/Experimental Meeting on Membranes (EJTEMM2017), Krakow, Poland

Puja Majumder (MBU)

Poster award at the 42nd Annual Meeting of the Indian Biophyiscal Society, IISER Pune

Poster award at the NuBS annual departmental symposium, 2018.

Shabareesh (MBU)

Best poster prize at the National seminar on crystallography- NSC47 at BARC, Mumbai

R. Venkatraman (MCB)

KV Rao Scientific Society Research Award, India

Shweta Kumar (MCB)

NS Dhalla Award for Best Oral Presentation Award, 10th Annual Conference of International Academy of Cardiovascular Sciences

Aditi Jain (MCB)

Best poster presentation award, 10th Annual Conference of International Academy of Cardiovascular Sciences

Spurthi M (MCB)

Best poster presentation award, 10th Annual Conference of International Academy of Cardiovascular Sciences

Preethi Sunkara (MCB)

Best Poster Award, International Conferences in Arabidopsis Research

Amrita Saxena (MCB)

Best Poster Award, Annual Meeting of Society of Biological Chemists (India)

Shreoshi Sengupta (MCB)

Best Poster Award, Annual Meeting of Society of Biological Chemists (India)

Phoolwanti Rani (MCB)

Best Poster Award, Chromosome stability conference, JNCASR Bangalore

Chandreyee Datta (MCB)

Best Poster Award, International Congress for Conservation Biology, Society for Conservation Biology

Best Poster Award, An Interdisciplinary Approach to Biological Sciences Conference

Vishwas Mishra (MRDG)

EMBO Best Poster Award at Meeting on Pseudoenzymes in Sardinia, Italy, July 2018

Deep Prakash (MRDG)

Best Poster award at Asia Pacific Worm Meeting in Seoul, South Korea (July 2018)

Anjali Sandhu (MRDG)

Best Oral Presentation Award at Indian Society of Developmental Biology Meeting at IIT-Kanpur - Dec 2018

Gabriel Orodepo Ogunsola (IPC)

Best poster prize at the biannual conference of the Society of Polymer Science, India (SPSI), MACRO-2018, Pune.

Garima Tiwari (IPC)

Best poster award, IPC Dept in-house symposium

Namrata Singh (IPC)

ACS Poster Prize at the 24th CRSI National Symposium in Chemistry at CLRI, Chennai, 2019

Punarbasm Roy (IPC)

Poster Prize at the I-DEC-2018, IISER Bhopal

Sourav Ghosh (IPC)

Poster Prize at the 23rd CRSI National Symposium in Chemistry at IISER Bhopal

Rinkumoni Chaliha (IPC)

Best Poster award in the 16th Theoretical Chemistry Symposium (TCS-2019) organized by BITS Pilani, Pilani Campus in February 2019

Souvik Mandal (IPC)

RSC poster prize at the 24th CRSI National Symposium in Chemistry held at CSIR-CLRI, Chennai, 2019

Amit Joshi (IPC)

Poster Prize at the I-DEC-2018, IISER Bhopal

Rinkle Juneja (MRC)

Best poster award at IUMRS-ICEM 2018

Krishnapriya KC (SSCU)

Best Poster Award during ICPHPV-19 (SSCU)

Saumyak Mukherjee (SSCU)

Best poster presentation award of Unit Day, 2018

Biswajit Bhattacharyya (SSCU)

Best Presentation Young Scientists Colloquium

Indu John (CSA)

Special Mention Award, CODS-COMAD Conference (Young Researchers Symposium)

Hrishikesh Dewan (CSA)

Best Paper Award, 32nd IEEE International Conference on Advanced Information Networking and Applications, May 16-18, 2018, Pedagogical University of Cracow, Poland.

Jagruthi (EE)

Award for Best Paper and Model Presentation, "Energisation of Rural India using an Optimised Solar Converter", All India Youth Conference

Mr Gautam Raiker (EE)

Best poster paper presentation award, IEEE-ICIIS 2018 Intl. Conference, IIT Ropar, Dec 2018

Konda Reddy (CDS)

Received BEST paper award for paper titled "Learning Representations with Strong Supervision for Image Search" at SPCOM-2018

Abhai Kumar (CeNSE)

Best Oral paper award at International Conference on Emerging Electronics, IEEE

Awanish Pandey (CeNSE)

Best Oral paper award at CLEO PR, OSA

Anisha Kalra (CeNSE)

Best Poster award at Electronic Materials Conference, MRS

Rohith Soman (CeNSE)

Best paper award at International Conference on Emerging Electronics, IEEE

Shashwat Rathkantiwar (CeNSE)

Best Oral presentation at International Conference on Emerging Electronics, IEEE

Pramod Ravindra (CeNSE)

Best Student Oral Presentation at International Conference on Emerging Electronics, IEEE

Shubhi Bansal (CeNSE)

Second Prize for Best Poster Presentation at International Conference on Electrowetting, www.electrowetting.org

Meera Garud (CeNSE)

C V Raman Best Paper Award, Acoustical Society of India

Amruta Behera (CeNSE)

Best Manuscript Award at International Conference on Emerging Electronics, IEEE

Gautam Raikar (ICER)

Best Poster Award for the poster titled "Approach to non-intrusive load monitoring using factorial hidden markov model in 2018 IEEE 13th International Conference on Industrial Information Systems.

Lakshmi B S (SERC)

Won a runner up prize in the White Paper contest on Software Defined Networks on the Engineer's Day celebration at Nokia Networks, India Inc. for presenting her work on "SDN based Service Function Chain management".

Aditya Anand (AE)

Best Presentation award (2nd Prize) in the In-house Symposium, AE Dept.

Akshay Datey (AE)

Best Paper Award, National Symposium on shock Waves, Feb. 2018

Nanditha N H (AE)

Best Poster Award during National Symposium on Shock Waves 2018, Chandigarh

Bhanjan Debnath (CE)

Best poster award for the area granular materials on Complex Fluids, IIT Roorkee

Bhanupriya Boruah (CE)

Best oral presentation, Kumar Gandhi Award, ChemE In House Symposium, IISc

Best oral presentation award, School of Advanced Oxidation Processes (S-AOP), BITS Pilani, Goa campus

Kunjari Mog (CIE)

Best Paper Award in Geotechnical Engineering for the paper titled "Damping measurement in resonant column using SSV and FVD" presented at NFiCE (Next Frontiers in Civil Engineering: Sustainable and Resilient Infrastructure) on 30/11/2018, IIT Bombay

Aparna Harindranath (CPDM)

Best paper award at International Conference on Networking, Embedded and Wireless Systems

Student of Lakshminarayana Rao (CST)

Best Paper at Advances in Plasma Science and Technology National Conference

Syed Idrees Afzal Jalali (MT)

"Second Prize" in Oral Presentation at SICE 2018 held at DMRL Hyderabad organized by InSIS

N. Esakiraja (MT)

Best Oral Presentation Award in NMD-ATM, 2018

Aramanda Shanmukha Kiran (MT)

Best Poster Award, in the International conference on solidification, science and processing, ICSSP7

Sumeet Rajesh Khanna (MT)

Best Oral Presentation Award in MCGPD [Modeling Crystal Growth Processes and Devices]

Yazar K U (MT)

Best Oral Presentation Student Symposium 2018, Materials Engg

Aditi Jain (BSSE/MT)

Best poster award at the ISHR (International Society for Heart Research- Indian section) annual meeting held at Chandigarh

Yazar K U (MT)

Best Oral Presentation - NMD ATM 2018

Rituparna Ghosh (IAP)

Best Poster Award, International conference on nanoscience and technology

Anwesha Mukherjee (IAP)

Best Poster Award, International Workshop on Physics of Semiconductor Devices

Buddha Deka Boruah (IAP)

Best Poster Award, International Meeting on Energy Storage Devices

Prasobh Kumar P P (IAP)

Rajesh S (IAP)

Ashutosh Pati (IAP)

Best paper of the session, NSI-41 JSSSTU Mysuru (July 2018)



BEST RESEARCH/THESIS, AWARDS AND MEDALS

Shubhi Srivastava (BC)

Giri Memorial award for Best thesis award

Kiran R Bettadapur (OC)

Best Thesis Award for the Year 2018

Shashank Vatedka (ECE)

Seshagiri Kaikini Medal for the year 2016-17, awarded by IISc for the best PhD thesis from the ECE Department; conferred in 2018.

Manuj Mukherjee (ECE)

Has been recommended by the ECE Dept for the Seshagiri Kaikini Medal for the year 2017-18, awarded for the best PhD thesis from the Department Name: Raghunathan Varun

Sachin Shrivastav (AE)

Mrs. Sabita Chaudhuri Memorial Medal for best MSc (Engg) Thesis

Saurabh Upadhyay (AE)

Prof. A K Rao medal for best PhD thesis

Prashanth Vangla (CiE)

G A Leonards Best Thesis Award to by Indian Geotechnical Society

Sreevalsa Kolathayar (CiE)

D.K. Paul Research Award for best PhD thesis in Earthquake Risk Reduction in India awarded by Indian Society of Earthquake Technology, Roorkee

Sachin Kumar (MT)

Prof. K.P. Abraham medal for the best PhD thesis in the Department of Materials Engineering

Natasha Prasad (MT)

Best M.Tech Thesis Award

Sumit Bahl (MT)

Best PhD Thesis Award

Student of Gondi Kondaiah Ananthasuresh (ME)

Best Paper in oral presentations at the 5th Asian Mechanisms and Machine Science Conference, Dec. 17-19, Bengaluru, India

Sagar D. Khivsara (ME)

Professor Roland W. Lewis award for Best Post-Graduate Student Presentation at 5th International Conference on Computational Methods for Thermal Problems, Bangalore, India, 2018.

Omakar Hegde (ME)

Best Paper award at the 12th International Conference on Complex Fluids and Soft Matter, IIT Roorkee 2018.

Apratim Kaviraj (CHEP)

Kumari Meera memorial Best thesis medal, IISc

Apratim Kaviraj (CHEP)

IPA Rahul Basu memorial best thesis award for high energy physics between 2016-2018



TRAVEL AWARDS

Shikha Yadav (BC)

Semnati Ray (BC)

Chandrani Thakur (BC)

Narmada Sambaturu (BC)

Travel awards

Jitesh Jhavar (CES)

ICTP Travel grant to attend conference in ICTP Trieste

Aakanksha Rathore (CES)

Pratiksha scholarship trust (ICTS) Travel Grant to attend conference at ICTP, Italy

Madhura Amdekar (CES)

Kabir Shakilur (CES)

Travel award to attend the International Society for Behavioral Ecology

Shalini Singh (MCB)

Bill and Melinda Gates Travel Award, Bill and Melinda Gates Foundation

Virender Kumar Pal (MCB)

Bill and Melinda Gates Travel Award, Bill and Melinda Gates Foundation

Sakshi Kohli (MCB)

Bill and Melinda Gates Travel Award, Bill and Melinda Gates Foundation

Sukriti Kapoor (MCB)

EMBO Travel Grant, The European Molecular Biology Organization

Shalini Singh (MCB, CIDR)

Bill and Melinda Gates Travel Award, Bill and Melinda Gates Foundation

Virender Kumar Pal (MCB, CIDR)

Bill and Melinda Gates Travel Award, Bill and Melinda Gates Foundation

Sakshi Kohli (MCB, CIDR)

Bill and Melinda Gates Travel Award, Bill and Melinda Gates Foundation

Md Kausar Raza (IPC)

Received the travel grant to attend Gordon Conference in USA

Varsha Sreenivasan (CNS)

Cosyne Travel Award, Cosyne

Varsha Sreenivasan (CNS)

Pratiksha Trusts travel award, Pratiksha Trust

Sawan Kumar (CNS/CDS)

Google travel award, Google

Sruti Menon (ECE)

Got travel grant from IEEE Photonic society to attend the annual IEEE Photonics conference

Georgin Jacob (ECE/CNS)

Travel Fellowship for Brains Minds and Machines course, Centre for Brains Minds + Machines, MIT

Saurabh Kothari (BSSE/CNS/ME)

ICTS-Pratiksha Trust Travel Award, ICTS-Pratiksha Trust

Megha Byali (CSA)

ACM-India/IARCS Travel Award, ACM India Inc

Megha Byali (CSA)

CCS, ACM CCS Conference Committee

Divya Ravi (CSA)

MSR Travel Award, MSR India

Divya Ravi (CSA)

IARCS Travel Award, IARCS

Sharad Nandanwar (CSA)

Google Travel Award, Google

Mr Gautam Raiker (EE)

Prof Subhasis student travel award, IEEE Intl Conf on Power Electronics, Drives and Energy Systems (PEDES-2018), IIT Madras, India, Dec 2018

Madhuchhanda Brahma (ESE)

Early Career Travel Grant, Nature Research

Parmeshwar Prasad (CeNSE)

IST travel grant to attend Frontiers of Circuit QED and Optomechanics, IST Austria (partial grant)

D Nagarajachar (CDS)

Travel Grant for attending CVPR

Deepak (CDS)

Microsoft Research Travel Grant for attending CVPR

Nath Kundu (CDS)

Google Travel Grant for attending CVPR

Avijit Chatterjee (CeNSE)

OSA Incubic/Milton Chang Travel Grant - FIO 2018, OSA

Rahul Singh Kotesa (CeNSE)

MEMS Travel Grant, Transducers Research Foundation

Nagarjun K.P. (CeNSE)

SPIE Travel Grant, SPIE

Balaswamy Velpula (CeNSE)

IISc Alumni Association Travel Grant, IISc Alumni Association

Arun S (CeNSE)

DST SERB Travel Grant, DST SERB

Gautam Raikar (ICER)

Travel award in IEEE-PEDES 2018 Conference held at IIT Madras

Pritam Borah (CAOS)

Trieste Travel Award, ICTP

Jyotirmoy Paul (CEaS)

AGU travel grant by American Geophysical Union

EGU travel grant by European Geosciences Union

Anupam Banerjee (CEaS)

AGU travel grant by American Geophysical Union

Travel grant by DST

Pallabi Basu (CEaS)

AGU travel grant by American Geophysical Union

Goldschmidt travel grant by EAG and Geochemical Society

Vandana AS (CiE)

GARP travel grant

Aditi Jain (MT)

DBT International Travel Award

Sushma Indrakumar (MT)

Travel Award to the Till & McCulloch Stem Cell Meeting in Canada

Mr. Ankur Kulkarni (ME)

Travel and Registration Award to attend the World Congress of Biomechanics in Dublin, Ireland on July 2018.

Lata Panwar (CHEP)

Indo-French, CEFIPRA visit to Lyon (July 2018 and Oct 2018)



OTHERS

Divya Beri (BC)

Gandhian Young Technology Innovation Award 2018

Nikita Zachariah (CES)

Young Scientist award for oral presentation at the International Conference on Emerging Researches in Biosciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, India, 2018

Awarded 100 euros by Springer Nature Publishing group for oral presentation at the International Symposium of Earthen Structures, National Institute of Advanced Studies campus, Bengaluru, India, 2018.

Anindita Das (MBU)

B H Iyer medal for best thesis

Abhinav K V (MBU)

B H Iyer medal for best thesis

Chirasmitha Bhattacharya (IPC)

Carlstorm International Diversity Award for attending Gordon Research Conference - June 2018

Rameshnaidu Jenjeti (IPC)

Karnataka DST Nanoscience Fellowship award by the Department of Science and Technology, Govt. of Karnataka for the year 2018

Srimanta Barui (MRC)

Commonwealth Split-site (PhD) Scholarship, University of Manchester, UK, 2017-18

Avanish Mishra (MRC)

Awarded at APS, GERA workshop

Avanish Mishra (MRC)

DCMS summer school attendance award

Sandeep Kumar Mishra (NRC)

CBMR-NMRS Gold medal for outstanding contributions to NMR, National Magnetic Resonance Society - (NMRS)

Jayaprakash Reddy (CeNSE)

ISSS PhD Student Award, ISSS India

Swathi Suran (CeNSE)

Prizmatix Young Investigator award, SPIE

Swathi Suran (CeNSE)

Newton post-doctoral research award, Royal Society

Dibakar Das (EE)

POSOCO POWER SYSTEM AWARDS (PPSA) - 2018

Ravi Kiran (CDS)

Awarded prestigious IUPRAI-Doctoral Dissertation Award for 2017-18 at ICVGIP 2018.

Rajrup Ghosh (CDS)

CDS Motorola Medal

Himanshu Dave (AE)

2nd Prize at the AE Research Student Symposium

Khantesh Agrawal (CE)

IIChE Ambuja's Young Researcher Award

Satyaghosh Maurya (CE)

Zeeshan Khan Memorial award at the Bangalore Microscopy Course 2018

Navjot Kaur (CE)

Second Prize, Falling Walls Lab Competition, Manipal Academy of Higher Education (March 2019)

Gandhele Vishal Vasudeo Asha (CPDM)

Finalist on NASA Lunar Sampling System Design Challenge

Student of Chanakya H N (CST)

Life time achievement award in solid waste management from International Society for Waste Management

Aditi Jain (MT)

Rudolf Cimdins Scholarship from the European Society for Biomaterials;

Varun Baheti (MT)

Sumit Bahl (MT)

James Clerk Maxwell Writers Prize (Second Runner Up) from Philosophical Magazine

Pranav (ME)

Linton (ME)

Kaustubh (ME)

Joshua (ME)

won the third prize in PRADARSHANA-2018 for their project (Project interns from MSRTI) entitled Design and Setting up of Split-Hopkinson pressure bar experiment for high strain rate testing of soft materials.

Praveen Chandra Tiwari (CHEP)

b-tagging High Level Trigger group convener (2017 - 2018)

Buddha Deka Boruah (IAP)

IOP Publishing Top Cited Author Award - India

6.9 PLACEMENT

An attractive Placement Brochure was prepared by OCCaP to be circulated with potential recruiters. A large number of potential recruiters were contacted with an intent for Campus Association for recruiting the students. Brochures were shared, and many responded positively with good number of work opportunities for our students for Final placements. This has added on to the list of our Eminent Recruiters those visited last year on Campus. On Campus and Off Campus interest to hire our students was shared by the companies.

A modern and fully functional Placement Portal has been set up for students and recruiters. The portal enables companies to register and post their hiring requirements. Students can register, apply for jobs, and manage interface with recruiters. The portal facilitates Emails and SMS alerts to selected set of students, and to disseminate information quickly. More than 70 companies visited the campus for Pre-Placement Talk and interacted with the students from UG/ Masters and PhD programme. During this Campus Interviews around 100 companies visited and total students placed is 264.

6.10 EXTERNAL REGISTRATION PROGRAMME

SL NO	SPONSORS	
1	24 - 7 Customer Private Limited	1
2	ABB Corporate Research Center	1
3	Accenture Technology Labs	1
4	ADE- DRDO	2
5	Aeronautical Development Agency	3
6	Amrita School of Engineering	1
7	Atomic Mineral Directorate for Exploration and Research	1
8	Bangalore Integrated Systems Solutions P Ltd.	1
9	BHEL Corporate R and D Division	1
10	Bloom Energy I Pvt Ltd	1
11	BRAHMOS Aerospace - JV Ministry Of Defence	3
12	CDD Society	1
13	Center for Study of Science Technology and Policy	2
14	Central Research Laboratory Bharat Electronics Limited	2
15	Centre for Artificial Intelligence and Robotics	1
16	COMSOL Multiphysics Pvt. Ltd	1
17	CSIR- National Aerospace Laboratories	2
18	Defence Metallurgical Research Laboratory	2
19	Defence Research And Development Organisation	12
20	EY	1
21	Gas Turbine Research Establishment	3
22	GE Power Systems	1
23	General Motor Technical Center India Pvt Ltd	1
24	Generl Electric India Technology Centre	1
25	HAL	1
26	Hemvati Nandan Bahuguna Garhwal University	1
27	Hindustan Aeronautics Limited	6

28	Hindustan University	1
29	Honeywell Technology Solutions Pvt. Limited	4
30	IBM India Pvt. Ltd.	2
31	Indira Gandhi Centre for Atomic Research	2
32	Infosys Limited	2
33	Innomantra Consulting Pvt Ltd	1
34	Institute of Ayurveda and Integrative Medicine Foundation of Revitalization of Local Health Traditions	1
35	Intel Technology India Pvt Ltd	2
36	ISRO Satellite Centre	25
37	Liquid Propulsion Systems Centre	2
38	Microwave Tube Research and Development Centre DRDO	2
39	MTRDC DRDO	1
40	Nagarjuna Fertilizers and Chemicals Ltd	1
41	National Aerospace Laboratories	6
42	National Centre for Earth Science Studies	1
43	Naval Science And Technological Laboratory	1
44	NSTL.DRDO.Ministry of Defence	1
45	NTRO PMO GOVT OF INDIA	1
46	Nuclear Fuel Complex	1
47	Praxair India Pvt Ltd	1
48	Programme AD - Research CenterImarat	1
49	R and DE -Engrs DRDO	1
50	Ramaiah Insitute of Management	1
51	RDE Engineers DRDO	1
52	Research Centre IMARAT, RCI, DRDO	1
53	robert bosch engineering and business solutions limited	2
54	Samatvam Science and Research Center	1
55	Samsung R and D Institute India Bangalore Pvt Ltd	2
56	Sigma Quant Technologies Pvt. Ltd.	1
57	Solid State Physics Laboratory	1
58	Space Applications Centre - ISRO	1
59	Tata Consultancy Services Limited	1
60	Tata Motors Limited	1
61	Texas Instruments India Pvt Ltd	3
62	Triveni Turbine Limited	1
63	Vikram Sarabhai Space Centre	1
64	WEBFIL Limited - Digital Systems Division	1
	GRAND TOTAL	133

6.11 RESEARCH CONFERMENTS PhD, Int. PhD, MS and M Sc (Engg)

6.11.1 PhD

BIOCHEMISTRY	
Mr. Mishra Anupkumar Laxminarayan	Targeting RAD51C pathological mutants by synthetic lethality and extended functions of RAD51C/XRCC3 in mitochondrial genome maintenance
Mr. Kondalarao Bankapalli	Understanding the role of ThiJ/DJ-1/Pfpl family member proteins in regulations redox homeostasis, mitochondrial health and lifespan in <i>Saccharomyces cerevisiae</i>
Ms. Pallavi Sabharwal	Molecular insights into the structure and function of Pepper vein banding virus encoded proteins and endocytic uptake pathway of virus – like particles into mammalian cells
Ms. Ambika D	Role of <i>Mycobacterium tuberculosis</i> DinG and UvrD helicases in unwinding G- quadruplex DNA
Mr. Arindam Bakshi	Mechanistic insights into the replication of <i>Sesbania</i> mosaic virus
Ms. Vinita Tiwari	Insights into the Differential Cytotoxicity of Abrin and Design of a Vaccine Candidate against the Toxin
Ms. Mahendrawada R Lakshmi	New insights into the role of condensin in <i>Saccharomyces cerevisiae</i>
Mr. Balendra Sah	Production of taxol from <i>Lasiodiplodia theobromae</i> and biochemical characterization of its 10-deacetylbaaccatin III-10-O-acetyltransferase enzyme and evaluation of anticancer activity of enzymatically synthesized baaccatin III
Mr. Manoj Thakur	Conservation and divergence of the nucleotide excision repair pathway: Comparison of UvrB and UvrC proteins from <i>Mycobacterium tuberculosis</i> and <i>Escherichia coli</i> reveal significant differences in their functional properties
Ms. Deepika Prasad	Regulation of RecA nucleoprotein filament stability by RecX and the effects of RecA- membrane interaction on the activities of RecA in mycobacteria
Ms. Aida Jameei	Development and Characterization of a potent Tumor Necrosis Factor-alpha blocking agent
Ms. Shikha Yadav	Studies on inflammatory responses: Roles of Interferon- gamma in macrophage activation and Nitric oxide synthase 2 during <i>Salmonella Typhimurium</i> infection-induced sepsis
Ms. Semanti Ray	Functional characterization of <i>Salmonella Typhimurium</i> encoded Cold Shock Protein E during stress responses, biofilm formation and virulence
Mr. Deepash Kothiwal	A role for the cohesin complex in subtelomeric gene silencing in <i>Saccharomyces cerevisiae</i>

CENTRE FOR ECOLOGICAL SCIENCES	
Mr. Sandeep Pulla	The Structure and Dynamics Of A Tropical Dry Forest Plant Community
Ms. Aparna Lajmi	Systematics and diversification in the Indian radiation of <i>Hemidactylus geckos</i>

Mr. Ashok Kumar Mallik	Systematics and comparative biogeography of vine snakes (Genus: Ahaetulla, Family: Colubridae) and pit vipers (Genus: Trimeresurus, Family: Viperidae) in peninsular India
Mr. Rayees Ahmad Malik	Climate – Growth Relationships of West Himalayan Fir (Abies pindrow) along an Altitudinal Gradient in Northwestern Himalaya
Ms. Sumithra S	Local Interactions, Spatial Patterns and Ecosystem Stability

CENTRE FOR NEUROSCIENCE

Mr. Aditya Singh	Neural Correlates and Behavioral Underpinnings of Remote Memories during Systems Consolidation
Ms. Agrita Dubey	Estimation of the Spatial Spread of Brain Signals at Multiple Scales
Ms. Patwardhan Dhruti Girish	Use of Human Induced Pluripotent Stem Cells as a Model to study primary Microcephaly

MOLECULAR BIOPHYSICS UNIT

Ms. Raksha Das	Effects of cyclic permutation, glycan removal and aspartate mutagenesis on conformation of HIV-1 Envelope
Mr. Anil Kumar Jamithireddy	Biophysical studies on Mycobacterium tuberculosis sigma factor – regulatory protein complexes
Ms. Archita Mishra	Pranlukast as an allosteric inhibitor of M.tuberculosis Ornithine acetyltransferase: Implication towards novel
Ms. Spraha Bhandari	Structural and functional characterization of small Heat Shock Proteins from Mycobacterium marinum M
Ms. Khare Shruti Vijay	Protein structure and mutant phenotype prediction from analysis of mutant libraries by combinatorial library deep sequencing
Ms. Amrita Singh	Studies on NMPylase and valine catabolism enzymes from Mycobacterium
Ms. Anushya Petchiappan	Role of second (p)ppGpp synthetase MS_RHII-RSD in Mycobacterium smegmatis
Ms. Neerupma Bhardwaj	Role of RNA polymerase subunit in metabolism and stress response
Mr. Amandeep Singh	Exploration of the Recombination Repair Pathway in Mycobacteria: Identification and Characterization of New Proteins
Ms. Saborni Chakraborty	Structure guided design of novel influenza immunogens
Ms. Farha Khan	Structure analysis of lectin and lectin – like domains from Entamoeba histolytica
Ms. Nupur Shailendra Katyare	Stimulus statistics and HCN current mediated resonance sets the scale of input-output mapping in Stellate cells of the Medial Entorhinal Cortex

MICROBIOLOGY AND CELL BIOLOGY

Ms. Abhirami Visvanathan	Deciphering the role of METTL3-dependent m6A-epitranscriptome in glioma
--------------------------	---

Ms. Poonam Dhillon	Rotavirus Viroplasm structure (VS): The first insights into the architectural assembly of the stem-like cells
Ms. Sharmada S	Cellular and Molecular Features of the Response of Mycobacterium smegmatis to Rifampicin and Moxifloxacin Upon Prolonged Exposure
Ms. Chandreyee Datta	Understanding the functions of Nucleoid Associated Proteins in Mycobacterium tuberculosis
Mr. Kishor Jakkala	Response of Mycobacterium tuberculosis to Hypoxia and its Physiological Significance - A Morphological and Molecular Level Study
Mr. Mohsen Sarikhani	Understanding the Role of SIRT2 in Cardiac Hypertrophy, Cell Death and Glucose Homeostasis
Ms. Sarmistha Guha	Altering DNA topology in mycobacteria: impact of perturbation of DNA gyrase on physiology and gene expression
Ms. Geetika Sharma	Regulation of Hepatitis C Virus life-cycle by lncRNA HULC: crosstalk with other host factors
Mr. Riyaz Ahmad Shah	Role of conserved features of initiator tRNA and ribosome heterogeneity in translation initiation in Escherichia coli
Ms. Indu Kapoor	Studies on Nudix hydrolase proteins and crosstalk between DNA repair pathways
Mr. Rajiv Kumar Jha	Insights into the regulation of transcription initiation of DNA gyrase and role of transcription factor Gre from Mycobacterium tuberculosis
Mr. Vivek Singh Tomar	Genetics of glioblastoma: Insights into biology and therapy resistance
Ms. Parinita Majumdar	Regulation of auxin response by UBIQUITIN-SPECIFIC PROTEASE14/ TARANI in Arabidopsis thaliana
Ms. Tanushree Mukherjee	Immunological insights into Epidermal Growth Factor Receptor Signaling: Implications for host-pathogen interactions

MOLECULAR REPRODUCTION DEVELOPMENT

Ms. Shambhavi Shukla	Investigations on the regulatory role of BglG on the expression of ridA and the pleiotropic effects of bglG deletion in E.coli
Mr. Arka Banerjee	Biochemical and functional characterization of cyclic AMP-binding, universal stress proteins from mycobacteria
Mr. Meysam Bagheri	Identification and Characterization of Molecular and Genetic Regulators of Cellular Senescence
Ms. Vanlalrinchhiani	Investigating the role of taxi gene in flight behavior of Drosophila melanogaster
Ms. Kriti Gupta	Biochemical and functional characterization of enigmatic MPPED1/MPPED2 metallophosphodiesterases
Mr. Saurav Kumar	Molecular insights into AMP- activated protein kinase (AMPK)-mediated regulation of anoikis resistance
Ms. Bishnu Kumari Khand	Studies on differentiation of mouse GS-2 ES-cells to pancreatic β -islet-like cells and their functional maturation status