



INDIAN INSTITUTE OF SCIENCE
and
KARNATAKA STATE COUNCIL FOR SCIENCE & TECHNOLOGY
Indian Institute of Science Campus, Bengaluru

“Chetana Programme”

23rd – 30th October 2018

Programme Details

23rd October 2018 (Tuesday)

Location: Biological Sciences building (BSSE) Faculty Coordinator: Prof. Vaishnavi Ananthanarayanan (9916101303)	
11:00 am – 11:20 am	Arrival at BSSE; Tea & Snacks; Opening remarks by: Prof Vaishnavi Ananthanarayanan Assistant Professor Centre for BioSystems Science and Engineering, Indian Institute of Science
11:20 am – 11.30 am	Address by: Prof. S. Subramanian Professor, Department of Materials Engineering Indian Institute of Science and Secretary, KSCST
11:30 am – 12:00 noon	Welcome address by The Chair, Centre for Biosystems Science and Engineering (BSSE) Indian Institute of Science Introduction to the Research at BSSE by PhD students, Ms. Jayashree V. and Ms. Ratnasri K (Venue: Triangle Room)
12:00 noon – 12:45 pm	Visits to Advanced Facility For Microscopy And Microanalysis (AFM) facility and Confocal Microscopy (InCell) demonstration (Venue BSSE)
1.00 pm – 2:00 pm	Lunch
Location: Auditorium, Department of Physics Faculty Coordinators: Prof. Ambarish Ghosh (95350-22265) / Prof. Tanmoy Das	
2:15 pm – 2:30 pm	Welcome address by The Chair Department of Physics, Indian Institute of Science
2:30 pm – 3:00 pm	Talk on “What do we do at Large Hadron Collider?” by: Dr. Jyothsna Rani Komaragiri Centre for High Energy Physics, Indian Institute of Science
3:00 pm – 4:30 pm	Laboratory Visit (Dr. Jaydeep Basu, Dr. Anindya Das, Dr. Vasant Natarajan Labs)
4:30 pm – 4:45 pm	Tea Break

4:45 pm – 5:30 pm	Talk by: Prof. Sriram Ramaswamy Professor, Department of Physics, Indian Institute of Science
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24th October 2018 (Wednesday)

Location: Centre for Nano Science and Engineering (CeNSE) Auditorium Faculty Coordinator: Dr. Savitha (9448476629)	
9:30 am – 10:00 am	Welcome address by The Chair, Centre for Nano Science and Engineering (CeNSE) Indian Institute of Science
10:00 am – 11:00 am	Presentation from National Nano Fabrication Centre - NNFC (Nanoworld and solar cells), gifting a miniature solar cell to each participant
11:00 am – 11:30 am	Presentation from Micro Nano Characterization Facility (MNCf)
11:30 am – 12:00 noon	Tea Break
12:00 noon – 12:45 pm	Facility Tour
1.00 pm – 2:00 pm	Lunch
Location: STC Conference Room (1st Floor), Department Aerospace Engineering Faculty Coordinator: Prof. Suhasini Gururaja , Department of Aerospace Engineering Indian Institute of Science (9448072612)	
2:15 pm – 2:30 pm	Welcome address by The Chair, Department of Aerospace Engineering Indian Institute of Science
2:30 pm - 3:15 pm	Talk on “ <i>Aircraft Materials and Manufacturing</i> ” by: Prof. Suhasini Gururaja Department of Aerospace Engineering Indian Institute of Science
3:15 pm - 4:00 pm	Talk by Dr. Omkar Chief Research Scientist Department of Aerospace Engineering Indian Institute of Science
4:00 pm- 4:15 pm	Tea Break
4:15 pm - 5:00 pm	Interaction, visit to Hypersonic and Shock Research Lab and Demo with Prof. Jagadeesh, Department of Aerospace Engineering
5:00 pm - 5:30 pm	Drones Demo by Dr. Omkar, Department of Aerospace Engineering
7:30 pm Onwards	Interaction of Chetana Scholars with the Director, Indian Institute of Science followed by Dinner

25 October 2018 (Thursday)

Location: Centre for Neuroscience (CNS) Faculty Coordinator: Prof. Arun S. P. (94827 35484) / Dr. Mini Deepak	
9:30 am – 9:45 am	Welcome address by The Chair Centre for Neuroscience (CNS), Indian Institute of Science
9:45 am – 10:15 am	Talk
10:15 am – 10:30 am	Tea Break
10:30 am – 11:15 pm	Interactive Session
11:15 am – 12:45 pm	Interactive Session
1.00 pm – 2:00 pm	Lunch
Location: Lecture Hall 1, Department of Mathematics Faculty Coordinator: Prof. Arvind Ayyar (99016 40616)	
2:15 pm – 2:30 pm	Welcome address by The Chair Department of Mathematics, Indian Institute of Science
2:30 pm - 3:15 pm	Talk by: Prof. Harish Seshadri Department of Mathematics, Indian Institute of Science
3:15 pm - 4:00 pm	Discussion with graduate students
4:00 pm- 4:15 pm	Tea Break
4:15 pm - 5:30 pm	Talk by: Prof. R. Venkatesh Department of Mathematics, Indian Institute of Science

26 October 2018 (Friday)

Location: ICER, Energy Centre Faculty Coordinator: Prof. M. S. Bobji (9886106433) Professor, Department of Mechanical Engineering, Indian Institute of Science Prof. Pramod Kumar (9900922966)	
9:30 am – 10:30 am	ICER Visit Demo/ Lab Visits (Prof. Pramod Kumar)
10:30 am – 10:40 am	Walk to Department of Mechanical Engineering
10:40 am – 11:15 pm	Welcome address by The Chair Department of Mechanical Engineering, Indian Institute of Science
11:15 pm – 11:45 pm	Talk on “What is ME” by: Prof. M.S. Bobji Professor, Department of Mechanical Engineering, Indian Institute of Science

11:45 – 12:45 pm	Lab visits (Prod. S.V. Kailas, Prof. J. Arakeri, Prof. N. Gundiah)
1.00 pm – 2:00 pm	Lunch
Location: Centre for Ecological Sciences Auditorium Faculty Coordinator: Prof. Maria Thaker (9880407722) Centre for Ecological Sciences, Indian Institute of Science	
2:15 pm – 2:30 pm	Welcome address by The Chair, Centre for Ecological Sciences, Indian Institute of Science
2:30 pm - 3:15 pm	Talk on “Why is Nature so colorful” by: Prof. Maria Thaker Centre for Ecological Sciences, Indian Institute of Science
3:15 pm - 4:00 pm	Visit to Ecological Research with Live Animals
4:00 pm- 4:15 pm	Tea Break
4:15 pm - 5:30 pm	Visit to CES museum and Vespiary

27th October 2018 (Saturday)

Location: Auditorium, Department of Electrical Engineering Faculty Coordinator: Prof. G. Narayanan (2293 2429) Department of Electrical Engineering, Indian Institute of Science	
9:30 am – 9:45 am	Welcome address by The Chair Department of Electrical Engineering, Indian Institute of Science
9:45 am – 10:15 am	Talk on “Introduction to Electrical Engineering”
10:15 am – 10:30 am	Tea Break
10:30 am – 12:45 pm	Lab visits (Lab 1, Lab 2, Lab3)
1.00 pm – 2:00 pm	Lunch

28th October 2018 (Sunday)

Coordinators: Mr. Keshava K. N. (9731282977) Mrs. Priyanka (8105747283)	
9.15 am – 1.00 pm	Visit to Visvesvaraya Industrial and Technological Museum
3.00 pm – 5.00 pm	Visit to Jawaharlal Nehru Planetarium

29th October 2018 (Monday)

Location: Auditorium, Centre for Product Design & Manufacturing (CPDM) Faculty Coordinator: Ms. Kumari M. C. (9008936800)/ Mr. Puneet (96329 29320)	
9:30 am – 10:00 am	Welcome address by The Chair Centre for Product Design & Manufacturing (CPDM), Indian Institute of Science and Introduction to CPDM and Design
10:00 am – 10:30 am	Tour to Product exhibition and Tea break (in parallel)
10:30 am – 11:45 am	Workshop Tour (CAD to Product, 3D Printer)
11:45 – 12:45 pm	Tour of Smart factors/ Demo of flight simulator
1.00 pm – 2:00 pm	Lunch
Location: Supercomputer Education and Research Centre (SERC) Faculty Coordinator: Dr. Lakshmi , Principal Research Scientist, SERC Ms. Akhila (9900260208)	
2:15 pm – 2:30 pm	Welcome address by The Chair, Supercomputer Education and Research Centre (SERC) Indian Institute of Science
2:30 pm - 3:15 pm	Talk on “Visualization: Data to Insight” by: Prof. Vijay Natarajan Department of Computer Science and Automation, IISc
3:15 pm - 4:00 pm	Talk on “Introduction to Supercomputing” by: Dr. Aditya K.
4:00 pm- 4:15 pm	Tea Break
4:15 pm - 4:45 pm	Introduction to Supercomputing facility at SERC (Ms. Akhila)
4:45 pm - 5:30 pm	Facility Visit

30 October, 2018 Tuesday

Location: Library Faculty Coordinators: Chetana Committee	
9:30 am – 10:15 am	Welcome and lecture by the Dean, UG Studies
10:15 am – 10:30 am	Tea Break
10:30 am – 11:30 pm	Talk by Dr Arvind Byrappa and Visit to Main IISc Library
11:30 – 12:45 pm	Presentations by students; Closing ceremony
01.00 pm – 2:00 pm	Lunch



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Supported by:

ICT Society

Department of Information Technology, Biotechnology and Science & Technology,
Government of Karnataka

Phone numbers - Organizing Committee (Department of Mechanical Engineering)

Namrata	9448787627, 2293 2860	namrata@iisc.ac.in
Bobji	9886106433, 2293 2574	bobji@iisc.ac.in
Gaurav	9880550974, 2293 3062	gtom@iisc.ac.in
Kaushik	8197997451	kchatterjee@iisc.ac.in
Pramod	9900922966	pramod@iisc.ac.in
Susmita	9337683557, 2293 2962	susmita@iisc.ac.in
Tejas	9448173750	tejas@iisc.ac.in
Vaishnavi	9916101303, 2293 3069	vaishnavi@iisc.ac.in

KSCST Officials	Immediate Contact	Mr. Keshava K. N., Project Associate, KSCST 9731282977 Mr. Rama, MTS, KSCST - 9449521160, 7975314827
	Other officials	Ms. Priyanka - 8105747283, priyankasathwan7@gmail.com Mr. K. N. Venkatesh - 9448906242, knv@kscst.iisc.ernet.in Dr. S. G. S. Swamy, Executive Secretary, KSCST - 9448515976