

National Centre for Mathematics

A joint center of TIFR and IIT Bombay

Annual Foundation School -II (2018) - Silchar

Venue:	Assam University, Silchar, Assam
Date:	4th, Jun 2018 to 30th, Jun 2018

Convener(s)		
Name	Samira Behera	A. Tiken Singh
Mailing Address	Department of mathematics, Assam University, Silchar - 788 011, Assam, India	Department of Mathematics, North-Eastern Hill University Shillong-793022, Meghalaya, India.

Speakers and Syllabus

Resource Persons

Name	Affiliation
Prof. Asit Baran Raha (ABR)	ISI, Kolkata
Prof. A. R. Shastri (ARS)	IIT, Bombay
Prof. Parvati Shastri (PS)	Mumbai University
Prof. Alok Goswami (AG)	ISI, Kolkata
Dr. A. Tiken Singh (ATK)	NEHU, Shillong
Dr. Ritumoni Sarma (RS)	IIT, Delhi
Dr. K.V. Srikanth (KVS)	IIT, Guwahati
Dr. Ardeline Mary Buhphang (AMB)	NEHU, Shillong
Dr. B. Subhash (BS)	IISER, Tirupati

Dr. Uday Shankar Chakraborty (USC)	Assam University, Silchar
Mr. Naba Kanta Sarma (NKS)	Assam University, Silchar

Tutorial Assistants

Sr.	Name / Subject	Affiliation
1	Dr. Sainkumar Mawiong (SM)	NEHU, Shillong
2	Dr. Pradip Debnath (PD)	Assam University, Silchar

Syllabus Covered by the Resource Persons

Sr.	Topic	Sub-topic	Syllabus
1	Algebra-II	Rings and Modules	M. Artin, Algebra, 2nd Edition, Prentice Hall India 2011, Chapters 11-14
2	Analysis-II	Measure and Integration	W. Rudin, Real and Complex Analysis, 3rd Edition, Mc-Graw Hill, 1987, Chapters 1-3
3	Topology-II	Introduction to Curves and Surfaces	A. Pressley, Elementary Differential Geometry, 2nd Edition, Springer, 2012, Chapters 1-10, 11

- [Click here for lecture details.](#)

Time Table

Week-one

Day	Date	Lecture 1	Tea	Lecture 2	Lunch	Tutorial	Tea
		9:30-11:00		11:30-1:00		3.30-5.30	
Mon	June 4	Algebra (PS)		Analysis (ABR)		Algebra (PS-ARS-NKS)	
Tue	June 5	Analysis (ABR)		Topology (ARS)		Analysis (ABR-ARS-USC)	
Wed	June 6	Topology (ARS)		Algebra (PS)		Topology (ARS-ATS-NKS)	
Fri	June 8	Analysis (ABR)		Algebra (PS)	Analysis (ABR) (3:00-4:30) Analysis (ABR-ARS-USC) (4:45-6:45)		
Sat	June 9	Algebra (PS)		Topology (ARS)		Topology (ARS-ATS-SM)	
Sun	June 10	Topology (ARS)		Algebra (PS-ARS-NKS) (11:30-1:30)			

Week-two

Day	Date	Lecture 1	Tea	Lecture 2	Lunch	Tutorial	Tea
		9:30-11:00		11:30-1:00		3.30-5.30	
Mon	June 11	Algebra (RS)		Analysis (USC)		Algebra (RS-NKS-PD)	
Tue	June 12	Analysis (USC)		Topology (ATS)		Analysis (USC-ATS-SM)	
Wed	June 13	Topology (ATS)		Algebra (RS)		Topology (ATS-SM-NKS)	
Thur	June 14	Algebra (RS)		Analysis (USC)		Topology (ATS-SM-NKS)	
Fri	June 15	Algebra (RS))		Topology (ATS)		Algebra (RS-NKS-PD)	
Sat	June 16	Topology (ARS)		Algebra (PS)		Analysis (USC-ATS-NKS)	

Week-three

Day	Date	Lecture 1	Tea	Lecture 2	Lunch	Tutorial	Tea
		9:30-11:00		11:30-1:00		3.30-5.30	
Mon	June 18	Algebra (AMB)		Analysis (BS)		Algebra (AMB-USC-BS)	
Tue	June 19	Analysis (BS)		Algebra (AMB)		Analysis (BS-USC-AMB)	
Wed	June 20	Algebra (AMB)		Topology (ATS)		Topology (ATS-BS-NKS)	
Thur	June 21	Topology (ATS)		Analysis (BS)		Algebra (AMB-USC-BS)	
Fri	June 22	Analysis (BS))		Topology (ATS)		Analysis (BS-USC-AMB)	
Sat	June 23	Algebra (PS)		Topology (ATS)		Topology (ATS-NKS-USC)	

Week-four

Day	Date	Lecture 1	Tea	Lecture 2	Lunch	Tutorial	Tea
		9:30-11:00		11:30-1:00		3.30-5.30	
Mon	June 25	Algebra (NKS)		Analysis (AG)		Algebra (NKS-AMB-USC)	
Tue	June 26	Analysis (AG)		Topology (KVS)		Analysis (AG-USC-AMB)	
Wed	June 27	Topology (KVS)		Algebra (NKS)		Topology (KVS-ATS-NKS)	
Thur	June 28	Algebra (NKS)		Analysis (AG)		Algebra (NKS-AMB-USC)	
Fri	June 29	Analysis (AG)		Topology (KVS)		Analysis (AG-USC-AMB)	
Sat	June 30	Topology (KVS)		Algebra (NKS)		Topology (KVS-ATS-NKS)	

Actual Participants

Sr	Title	Full Name	Affiliation	Position in College/ University
1	Mr.	A.P Abdul Jaleel	Central University of Kerala	PhD Student
2	Mr.	Amit Sharma	Pratap Institute of Technology and Science, Sikar, Rajasthan	Assistant Professor
3	Ms.	Chethana R V	Centre for PG Studies and Research, St Philomena College, Puttur	Assistant professor
4	Ms.	Deepika Rajoriya	Dr. Harisingh Gour Central Univesity	PhD Student
5	Ms.	E.Poornima	V.H.N.S.N. College	M.Phil student
6	Mr.	Giftson Santhosh.P	RIASM, University of Madras	M.Sc student
7	Mr.	Gorekh Prasad Sena	NISER	PhD Student
8	Mr.	Harinarayanan G	Cochin University of Science and Technology	M.Sc Student
9	Ms.	J Tamilmani	Sri Sarada College for Women, Salem, Tamilnadu	Research Scholar
10	Ms.	Judy Augustine	Cochin University of Science and Technology	MSc student
11	Mr.	Lav Kumar Singh	School of Physical Sciences , JNU	PhD Student
12	Ms.	Lavanya V Salian	Poornaprajna Post Graduate Centre	Lecturer
13	Mr.	M Dinesh Kumar	SRNM College	M.Phil student

14	Mr.	Mahesh Krishna K	NITK, Surathkal	PhD Student
15	Mr.	Marie Amalore Nambi P	CEG, Anna University, Chennai	M.Phil student
16	Mr.	Mathew Thomas	Cochin University of Science and Technology	Ph.D Student
17	Ms.	Monica Premini P J	RIASM, University of Madras	M.Sc student
18	Mr.	Muhammed Dilshah U	Indian Institute of Science Education and Research, Thiruvananthapuram	MSc student
19	Mr.	Natarajan T	St. Xavier's College, Tirunelveli	M.Sc student
20	Mr.	Nithin K	Payyanur College	M.Sc Student
21	Ms.	Nithya Muraleedharan	Cochin University of Science and Technology	M.Sc Student
22	Mr.	Paneer Selvam	Barathidasan University, Coimbatore	M.Phil student
23	Mr.	Prasad H M	Mangalore University	Research Scholar
24	Mr.	Prashant Kumar Pandey	IIT (BHU), Varanasi	Ph.D Student
25	Ms.	Pratibha Verma	IIT Roorkee	Ph.D Student
26	Mr.	Renjith T	NSS College, Ottapalam	M.Sc Student
27	Ms.	S Meenakshi	Sri Sarada College for Women, Salem, Tamilnadu	Research Scholar
28	Mrs.	Saranya K	IHRD, Calicut	Lecturer
29	Ms.	Sehra Sahu	NITK, Surathkal	PhD student
30	Mr.	Shijin T V	Mahatma Gandhi College	M.Sc Student
31	Mr.	Shine Raj S N	Central University of Kerala	Ph.D Student
32	Ms.	Soorya P	Central University of Kerala	PhD Student
33	Mr.	Sreehari K	IISER, Thiruvananthapuram	M.Sc Student
34	Ms.	Sreya V.V	Central University of Kerala	PhD Student
35	Mr.	Sumukha S	NITK, Surathkal	PhD Student
36	Mr.	Tata Sivaiah .	Department of Mathematics, Sri Venkateswara University, Tirupati	PhD Student
37	Ms.	V Madhuri	Sri Sarada College for Women, Salem, Tamilnadu	Research Scholar
38	Mr.	Vinay Shukla	IIT Roorkee	PhD Student
39	Mr.	Yogendra Sahu	ISI, Delhi	Project Student

How to reach Silchar?

Silchar, the second largest city of Assam in terms of population, is situated on the bank of river Barak in the southern part of Assam. It is almost 350 Km away from Guwahati and connected to other cities by road, rail and air.

- **Road connectivity:**
Daily bus services are there from Guwahati and Shillong to Silchar. It takes around 10 hours to reach Silchar from Guwahati and Six hours from Shillong by bus.
- **Rail connectivity:**
Direct trains are available from Guwahati, Agartala, Kolkata, Delhi and Trivandram (via Chennai) to Silchar.
- **Air connectivity:**
Silchar is connected to Delhi, Kolkata and Guwahati by air.

How to reach Assam University, Silchar (AUS)?

Assam University, a Central University established in the year 1994, is situated at a distance of around 20 Km from Silchar railway station. Vehicles are plying from the **Cruiser Stand** near Link road point, Silchar to AUS in every half an hour. The approximate fair is not more than Rs. 30. One can avail auto-rickshaws to reach Link road point from the railway station.

The distance of the university from airport is about 40 Km. Post-paid taxis are available from the airport. The approximate taxi-fair from airport to AUS will be Rs. 1000.

File Attachments:

 Lecture Details PDF
