CURRICULUM VITAE

1. **Name: SHUVAM SEN**

2. **Contact: shuvam@tezu.ernet.in, 091-9435080655**

3. **Current Status:** Professor & Head, Department of Mathematical Sciences,
   Tezpur University, Tezpur - 784028, Assam, INDIA.

4. **Academic Qualification:** Ph.D. in Mathematics (Computational Fluid Dynamics)

5. **Academic Record:**

Examination / Degree	School/ College	Board/ University	Year	Subjects	% of Marks	Division / Class	Rank if any
HSLC	Bengali H. S. School, Guwahati	Board of Secondary Education Assam	1992	Beng., Eng., G. Sc., S. St., G. Math., Adv. Math.	65.56	I	
HSSLC	Shrimanta Shankar Academy, Guwahati	Assam HS Education Council	1994	Ph., Ch., Math, Bio., Eng., Alt. Eng.	71.60	I	
B. Sc.	Cotton College, Guwahati	Guahati University	1997	Math (Major) Ph., Ch., Eng.	75.33	I (Distinction)	4th
M. Sc.	Gauhati University		2000	Mathematics	81.90	I	1st
Ph.D.	Indian Institute of Technology Guwahati		2012 (Defended on 30.06.12)	Thesis Title: Compact Biharmonic Computation of the Navier-Stokes Equations: Extension to Complex Flows			

6. **Other Qualifications:**
   (a) Qualified in CSIR-UGC NET (JRF+LS) and was awarded CSIR Junior Research Fellowship in 2001.
   (b) Qualified in GATE 2001.
   (c) Successfully completed "Course on Computer Concepts" of DOEACC Society, Govt. of India by securing "A" Grade.
   (d) Knowledge of 'C', 'ForTran' and 'BASIC' programming languages.

7. **Awards and honours:**
   Awarded three months' deputation of Indian Scientists under Indian National Science Academy (INSA) bilateral exchange program 2015.

8. **Research Experience:**
   (i) Worked as 'Research Assistant' in I-STEP, DST, Govt. of India sponsored project from 01.12.01 to 31.12.02 for a period of 1 year 1 month at Plasma Physics Division, IASST, Guwahati, Assam.
   (ii) Research Scholar, Dept. of Mathematics, Indian Institute of Technology Guwahati, Assam from 01.01.2008 to 04.07.2012 for a period of 4 years 6 months.

9. Teaching Experience:

(i) Worked as 'Lecturer' now designated as 'Assistant Professor (Stage I)', Dept. of Mathematics, Darrang College, Tezpur, Assam from 11.11.2002 to 27.06.2004 for a period of 1 year 7 months 17 days under a sanctioned non-plan post.

(ii) Worked as 'Lecturer' now designated as 'Assistant Professor (Stage I)', Dept. of Mathematical Sciences, Tezpur University, Tezpur, Assam from 28.06.04 to 10.11.08 for a period of 4 years 4 months 13 days.

(iii) Worked as 'Assistant Professor (Stage II)', Dept. of Mathematical Sciences, Tezpur University, Tezpur, Assam from 11.11.08 to 16.12.12 for a period of 4 years 1 month 6 days.

(iv) Worked as 'Associate Professor', Dept. of Mathematical Sciences, Tezpur University, Tezpur, Assam from 17.12.12 to 16.12.16 for a period of 4 years.

(v) Working as 'Professor', Dept. of Mathematical Sciences, Tezpur University, Tezpur, Assam from 17.12.16 to till date.

10. Academic Stays Abroad:

(i) Visited Center for Advanced Study in Theoretical Sciences (CASTS), National Taiwan University (NTU), Taipai, Taiwan for a month from 12.12.2013 to 11.01.2014 under an invitation from Prof. Tony W.H. Sheu for research work.

(ii) Visited Department of Fluid Mechanics (PFS) at the Helmut-Schmidt-University, Hamburg, Germany for three months from 24.08.15 to 21.11.15 under INSA-DFG bilateral exchange programme 2015 for research work with Prof. M. Breuer.

(iii) Visited Center for Advanced Study in Theoretical Sciences (CASTS), National Taiwan University (NTU), Taipai, Taiwan for a month from 22.06.2017 to 22.07.2017 under an invitation from Prof. Tony W.H. Sheu for research work.

11. Ph.D. student supervised: **(i)** Dr. Subhajit Giri (MSP15102, defended Jan 06, 21)
(ii) Dr. Dharmaraj Deka (MSP17104, defended Nov 06, 24)
(iii) Mr. Hirak Jyoti Das (MSP20104, pursuing)
(iv) Mr. Momit Ranjan Gogoi (MSP21106, pursuing)
(v) Mr. Dipankar Basak (MSP22101, pursuing)

12. Collaborators Present & Past:

(i) Prof. Jiten C Kalita, Dept. of mathematics, Indian Institute of Technology Guwahati, India.

(ii) Prof. Tony W.H. Sheu, Taida Institute of Mathematical Sciences, National Taiwan University (NTU), Taipai, Taiwan.

(iii) Prof. M. Breuer, Dept. of Fluid Mechanics, Helmut-Schmidt-University, Hamburg, Germany.

(iv) Dr. Guillaume De Nayer, Dept. of Fluid Mechanics, Helmut-Schmidt-University, Hamburg, Germany.

(v) Prof. Murli M Gupta, Dept. of mathematics, George Washington University, USA.

(vi) Prof. G. C. Das, Plasma Physics Division, IASST, Guwahati, Assam.

13. Administrative/ Academic Responsibilities:

(a) Co-ordinated Outreach Programme during January 2012 to June 2016.

(b) Departmental Co-ordinator for CODL from September 2011 to December 2019.

(c) Head, Department of Mathematical Sciences, TU from August 1, 2024 onwards.

14. Research Publications in refereed INDEXED journals (Scopus h-index 9):

Sl. No.	Authors	Title of Paper	Published in	Published by/from	IF/ Cite
21.	Dharmaraj Deka & **Shuvam Sen**	A new transient optimally higher order compact scheme for computation of flow and heat transfer in nonuniform polar grids	Physics of Fluids, vol. 37, p. 013612, **2025**.	AIP, USA	4.1 /0
20.	Subhajit Giri & **Shuvam Sen**	Phase error analysis of implicit Runge-Kutta methods: New classes of minimal dissipation low dispersion high order schemes	Journal of Scientific Computing, vol. 96, p. 9:1-44, **2023**.	Springer, USA	2.986 /0
19.	**Shuvam Sen** & Tony W. H. Sheu	Fourth order compact scheme for the Navier-Stokes equations on time deformable domains	Computers & Fluids, vol. 257, p 1-25, **2023**.	Elsevier, UK	3.077 /0
18.	Subhajit Giri & **Shuvam Sen**	An improved class of three stage low-dispersion low-dissipation diagonally implicit Runge-Kutta method	Aerospace Science and Technology vol. 133, p. 108143, **2023.**	Elsevier, France	5.457 /0
17.	Dharmaraj Deka & **Shuvam Sen**	Compact higher order discretization of 3D generalized convection diffusion equation with variable coefficients in nonuniform grids	Applied Mathematics and Computation, vol. 413, p. 126652, **2022.**	Elsevier, USA	4.397 /0
16.	Dharmaraj Deka & **Shuvam Sen**	A new transformation free generalized (5,5)HOC discretization of transient Navier-Stokes/Boussinesq equations on nonuniform grids	International Journal of Heat and Mass Transfer, vol. 171, p. 120821, **2021.**	Elsevier, UK	5.584 /1
15.	Subhajit Giri & **Shuvam Sen**	A new class of diagonally implicit Runge–Kutta methods with zero dissipation and minimized dispersion error	Journal of Computational and Applied Mathematics, vol. 376, p. 112841, **2020.**	Elsevier, USA	2.872 /4
14.	Jiten C Kalita & **Shuvam Sen**	α-, β-phenomena in the post-symmetry break for the flow past a circular cylinder	Physics of Fluids, vol. 29, p. 033603 1 – 12, **2017**.	AIP, USA	4.1 /5
13.	**Shuvam Sen** & Tony W. H. Sheu	On the development of a nonprimitive Navier-Stokes formulation subject to a rigorous implementation of vorticity integral condition	Journal of Scientific Computing, vol. 72, p. 252-290, **2017**.	Springer, USA	2.986 /1
12.	**Shuvam Sen,** Guillaume De Nayer & Michael Breuer	A fast and robust hybrid method for block-structured mesh deformation with emphasis on FSI-LES applications	International Journal for Numerical Methods in Engineering, vol. 111, p. 273-300, **2017**.	John Wiley & Sons Ltd., UK.	2.107 /20

11.	**Shuvam Sen**	Fourth order compact schemes for variable coefficient parabolic problems with mixed derivatives	Computers & Fluids, vol. 134-135, p 81-89, **2016**.	Elsevier, UK	3.077 /12
10.	**Shuvam Sen** & Jiten C Kalita	A 4OEC scheme for the biharmonic steady Navier-Stokes equations in non-rectangular domains	Computer Physics Communications vol. 196, p 113-133, **2015.**	Elsevier, Netherlands	4.390 /14
9.	**Shuvam Sen** & Jiten C Kalita	Tackling Problems of Moving Boundaries Using the Biharmonic Approach	International Journal for Computational Methods in Engineering Science & Mechanics, vol. 15, p 309-321, **2014.**	Taylor & Francis, UK	-/0
8.	Jiten C Kalita & **Shuvam Sen**	Unsteady separation leading to secondary and tertiary vortex dynamics: the sub-α and sub-β phenomena	Journal of Fluid Mechanics vol. 730, p 19-51, **2013**.	Cambridge University Press, UK	4.245 /18
7.	**Shuvam Sen**	A new family of (5,5)CC-4OC schemes applicable for unsteady Navier-Stokes equations	Journal of Computational Physics, vol. 251, p 251-271, **2013**.	Elsevier, USA	4.645 /22
6.	**Shuvam Sen,** Jiten C Kalita & Murli M Gupta	A robust implicit compact scheme for two-dimensional unsteady flows with a biharmonic stream function formulation	Computers & Fluids, vol. 84, p 141-163, **2013**.	Elsevier, UK	3.077 /19
5.	Jiten C Kalita & **Shuvam Sen**	The biharmonic approach for unsteady flow past an impulsively started circular cylinder	Communications in Computational Physics, vol. 12, p 1163-1182, **2012**.	Global Science Press, PRC	4.390 /14
4.	Jiten C Kalita & **Shuvam Sen**	Triggering asymmetry for flow past circular cylinder at low Reynolds numbers	Computers & Fluids, vol. 59, p 44-60, **2012**.	Elsevier, UK	3.077 /22
3.	Jiten C Kalita & **Shuvam Sen**	The (9,5) HOC formulation for the transient Navier-Stokes Equations in primitive variable.	International Journal for Numerical Methods in Fluids, vol. 55, p 387-406, **2007**.	John Wiley & Sons Ltd., UK.	2.107 /20
2.	G. C. Das, **Shuvam Sen**, Karabi Devi & Nirupama Devi	Nonlinear waves to study the evolution of collapsed soliton and its radiation.	Planetary and Space Science, vol. 52, p 581-586, **2004**.	Elsevier, UK.	2.030 /1
1.	G. C. Das & **Shuvam Sen**	Evolution of radiating solitons in plasmas.	IEEE Transactions on Plasma Science, vol. 30, No. 1, p 380-383, **2002**.	Los-Alamos National Laboratory, USA.	1.222 /6

15. Research Publications in NON-INDEXED refereed journals:

Sl. No.	Authors	Title of Paper	Published in	Published from
1.	S. K. Ray, A. K. Buragohain & **Shuvam Sen**	A simple approach to estimate the minimum bending angle between the two adjacent codons on a mRNA to overcome the steric hindrance between the anticodon stemloops of two tRNA molecules binding to the codons.	ICFAI Journal of Biotechnology, vol II, No. 2, p 60-64, **2008**. ISSN: 0973-8495	ICFAI university press, Hyderabad, India

16. Refereed Research Publications in International Conferences:

Sl. No.	Authors	Title of Paper	Published in	Published from
3.	Subhajit Giri & **Shuvam Sen**	A New (3, 3) Low Dispersion Upwind Compact Scheme	CSMCS 2020, Communications in Computer and Information Science 1345, p. 134-145, **2021**.	Springer Nature Singapore
2.	**Shuvam Sen** & Jiten C Kalita	Investigation on drag change of a cylinder performing rotatory oscillation	Book of Papers Blubof2011 IUTAM Symposium on Bluff Body Flows, p. 291-294, **2011**. (http://iitk.ac.in/blubof2011/)	IIT Kanpur, India.
1.	Jiten C Kalita & **Shuvam Sen**	Biharmonic computation of the flow past an impulsively started circular cylinder at Re=200	Proceedings of the World Congress on Engineering 2010, Vol III, p. 1805-1810, 2010. (Lecture Notes in Engineering and Computer Science 2185 (1)**:** 1805-1810, **2010**),	Elsevier, UK.

17. Ongoing/completed Research Projects:

Sl. No.	**Project Title**	**Funding Agency**	**Amount (in INR)**	**Duration**	**Investigator (s)**
3.	Development and applications of compact higher order discretization of the Navier-Stokes and the Boussinesq equation in time varying domains	SERB, Govt. of India	23,06,205	3 years w.e.f. 13. 01. 23	Shuvam Sen
2.	Development of dispersion, dissipation characteristics preserving finite difference schemes for fluid flow problems	SERB, Govt. of India	6,60,000	3 years w.e.f. 13. 06. 18	Shuvam Sen
1.	Biharmonic formulation of incompressible viscous fluid and its numerical simulation by higher order compact schemes	UGC, Govt. of India	1,20,000	2 years w.e.f. 01. 02. 10	Shuvam Sen

18. Events organized:

Sl. No.	**Title**	**Funding Agency**	**Level/ Dates**	**Role**
1.	Tezpur University Science Graduate Research Conclave (TU-GradSciCon-2025)	Tezpur University – Rs. 2,00,000	National/ February 10 – 11, 2025.	Faculty Co-ordinator & Convener

19. Talks/ Lectures delivered on Research Topics:

Sl. No.	Name	Place	Year
19.	Fourth order compact discretization of the incompressible N-S equations in deformable domains	Five Day Professional Development Program on "Computational Fluid Dynamics:Methods & Applications", Little Flower Degree College, Hyderabad & Sonapur College, Sonapur, India	September 07, 2023 (Online)
18.	Fourth order finite difference discretization of the incompressible N-S equations in deformable domains	Online 5-Day Faculty Development Program (FDP) On"Mathematics and Computing", The ICFAI University, Tripura, India	July 18, 2023 (Online)
17.	Introduction to compact finite difference approximation and its application to the Navier-Stokes equation	Five-Day Online FDP on Teaching and Learning Strategies of Differential Equations and Applications in Science and Engineering, NIT Warangle, India	January 01, 2021 (Online)
16.	Transformation Free (5,5) HOC Discretization of Transient Navier-Stokes/ Boussinesq Equations on Nonuniform Grids	Alumni Symposium on Mathematics and Computing, IIT Guwahati, India	September 19, 2020 (Online)
15.	**Fourth order compact finite difference approximation for the incompressible Navier-Stokes equations in time varying domains**	**International Conference on Computational Sciences: Modelling, Computing and Soft Computing (CSMCS 2020), NIT Calicut, India.**	**September 11, 2020 (Online)**
14.	**A new compact finite difference approximation of the Navier-Stokes equation**	**International Conference on Advances in Mathematics, Science and Technology, Rajiv Gandhi University, Itanagar**	**September 2, 2020 (Online)**
13.	Finite difference approximation of convection-diffusion equation	One-day workshop on Fluid Mechanics at GIMT-Tezpur	May 21, 2019
12.	**Higher order compact scheme for time deforming domains**	**Taiwan-India joint conference – Recent progress on flow simulation and stability analysis, National Taiwan University, Taipei, Taiwan**	**March 17, 2019**
11.	**Development and implementation of a new vorticity integral condition for nonprimitive Navier-Stokes equation**	**84th Annual Conference of IMS, SMVD University, Katra**	**November 29, 2018**
10.	Introduction to compact schemes for generalized convection-diffusion equation	Seminar on Application of Computational Tools in Science & Technology, Bineswar Brahma Engineering College, Kokrajhar.	September 22, 2018
9.	**A fast and robust hybrid method for block-structured mesh deformation with emphasis on FSI-LES applications**	**CASTS, NTU, Taipai, Taiwan**	**July 18, 2017**
8.	Fourth Order Compact Schemes for Variable Coefficient Generalized Convection-Diffusion Equation-II	Workshop on Mathematical Modelling and its Applications (WMMA-2016) NIT Meghalaya	August 20, 2016
7.	Fourth Order Compact Schemes for Variable Coefficient Generalized Convection-Diffusion Equation-I	Workshop on Mathematical Modelling and its Applications (WMMA-2016) NIT Meghalaya	August 20, 2016

6.	**A fast and robust hybrid method for block-structured mesh adaption with emphasis on FSI-LES applications**	**Department of Fluid Mechanics, HSU, Hamburg, Germany**	**November 20, 2015**
5.	HOC schemes for 2D parabolic problems with mixed derivatives	International Conference on Mathematical Modeling and Computer Simulation, IITM, India	December 09, 2014.
4.	**Unsteady separation leading to secondary and tertiary vortex dynamics: the sub-α and sub-β phenomena**	**CASTS, NTU, Taipai, Taiwan**	**January 6, 2014**
3.	**Family of fourth order compact schemes for 2D parabolic problems with mixed derivatives**	**CASTS, NTU, Taipai, Taiwan**	**December 31, 2013**
2.	Investigation on drag change of a cylinder performing rotatory oscillation	Blubof2011 IUTAM Symposium on Bluff Body Flows, IITK, India	December 14, 2011.
1.	Biharmonic computation of the flow past an impulsively started circular cylinder	ICM 2010, Hyderabad, India	August 21, 2010.

20. Journal Referee Experience:

(a) Computers and Fluids (Elsevier),
(b) Journal of Computational Physics (Elsevier),
(c) International Journal for Numerical Methods in Fluids (Wiley),
(d) Physics of Fluids (AIP),
(e) International Journal of Computational Methods (World Scientific)
(f) Int. J. for Computational Methods in Engineering Science (Taylor & Francis)
(g) Mathematical Reviews (MathSciNet Reviewer Number: 170774)

21. Papers/Posters in conferences:

Sl. No.	Authors	Title	Conference Name	Year
9.	**Shuvam Sen,** Guillaume De Nayer & Michael Breuer	A fast and robust hybrid method for block-structured mesh deformation with emphasis on FSI-LES applications (2 minute flash talk and poster presentation)	Humboldt Colloquium Germany and India - Partners in Education and Research	November 23-25, 2017.
8.	**Shuvam Sen**	HOC schemes for 2D parabolic problems with mixed derivatives	International Conference on Mathematical Modeling and Computer Simulation, IITM, India	December 08-10, 2014.
7.	**Shuvam Sen** & Jiten C Kalita	Investigation on drag change of a cylinder performing rotatory oscillation	Blubof2011 IUTAM Symposium on Bluff Body Flows, IITK, India	December 12-16, 2011.
6.	**Shuvam Sen** & Jiten C Kalita	Biharmonic computation of the flow past an impulsively started circular cylinder	ICM 2010, Hyderabad, India	August 19-27, 2010.
5.	**Jiten C Kalita** & Shuvam Sen	HOC formulation of the transient N-S equations in primitive variable	ICM 2006, Madraid, Spain	August 22-30, 2006.
4.	**S.K. Ray**, AK Buragohain & Shuvam Sen	mRNA Bending: A Mathematical Appraisal	21st International tRNA Workshop, 'tRNA-2005' IISc. Bangalore	December 2-7, 2005.
3.	**Shuvam Sen**	VISION INDIA 2025- "Strategies and planning for sustainable development with special reference to higher education"	National Seminar. ASC, LNIPE, Gwalior	July 15-16, 2003.
2.	G. C. Das & **Shuvam Sen**	Evolution of radiating solitons in plasmas.	15th National Symposium on Plasma Science & Technology 'PLASMA 2000'. SINP, Calcutta	December 5-8, 2000.
1.	G. C. Das & **Shuvam Sen**	Nonlinear waves describe the evolution of collapsed solitons and radiation	15th National Symposium on Plasma Science & Technology 'PLASMA 2000'. SINP, Calcutta	December 5-8, 2000.

22. Talks/ Lectures delivered on Popular Topics:

Sl. No.	Name	Place	Year
8.	Mathematics in Nature	"Ganit Prajna Samvardhan", 2023, conducted by VKSPV, Guwahati	November 21, 2023
7.	Three days State Level Online Workshop on 'C'	S. S. College, Hailakandi, Assam	June 22-24, 2020
6.	Let Us See and Enjoy Mathematics	Arunachal Pradesh Science Centre, Itanagar	December 22, 2018
5.	Tezpur University Outreach Programme: Opportunities and Challenges - My Personal Experience	Teaching Learning Centre, Tezpur University, Tezpur	November 29, 2017
4.	Hands-on Introduction to C programming	Department of Physics, S. S. College, Hailakandi, Assam	December 16-17, 2016
3.	3-dimensional Geometry	Kendriya Vidyalaya No. 1, Tezpur	May 28, 2016
2.	Pre-Olympiad Mathematics	Darrang College, Tezpur, Assam	July 1-7, 2014
1.	Low cost/ No cost teaching aids in mathematics for secondary school teachers	S. S. College, Hailakandi, under Assam Science Society	January 27, 2009

23. Write-ups on Popular Topics:

Sl. No.	Authors	Title	Published in	Published from
2.	Shuvam Sen	Euler Number 'e'	Excelsior (ISBN: 978-81-935793-7-4). Oct. 2023	The Mouthpiece of NCSC-23, Hailakandi District.
1.	Shuvam Sen	Golden Ratio and its Irrationality, A Visualization Proof	Thought Process: Points to Ponder Vol. 1, April, 2019	SITA, Govt. of Assam, Janata Bhavan, Guwahati, India

24. Refresher / Orientation / Other courses attended:

Sl. No.	Name	Place	Year
3.	NEP Orientation & Sensitization Programme	Online by MMTTC, Tezpur University	January 18-30, 2024
2.	UGC sponsored refresher course in Applied Mathematics	Tezpur University, Tezpur	December 10-30, 2004
1.	Orientation program	ASC, LNIPE, Gwalior	June 19-July 17 2003

25. Conference / Seminar / Workshop / Training programs attended:

SN	Name	Place	Year
31.	Five-Day workshop on Artificial Intelligence & Data Sciences: The Future of Technology	Tezpur University India	March 04-08, 2024.
30.	**Chair a Session in Emerging trends in Pure and Applied Mathematics**	**Tezpur University, India (online)**	**March 12-13, 2022.**
29.	**Chair a Session in International Conference on Computational Sciences: Modelling, Computing and Soft Computing (CSMCS 2020)**	**NIT Calicut, India (online)**	**September 10-12, 2020.**
28.	**Chair a Session in International Conference on Advances in Mathematics, Science and Technology**	**Rajiv Gandhi University, Itanagar (online)**	**September 1-3, 2020**
27.	The BodhiTree and SAFE Tools for Effective Online Teaching: A Hands-On Workshop	IIT Bombay, India **(online)**	June 20-22, 2020.
26.	Integration of Basic ICT Tools in Teaching Pedagogy	Tezpur University India **(online)**	June 08-09, 2020.
25.	Academic Integrity with Turnitin	Tezpur University India **(online)**	June 03, 2020.
24.	Effective and Efficient Online Teaching in the Age of Corona, A Hands On Workshop	IIT Bombay India **(online)**	May 23-26, 2020.
23.	Online Basic Training on Use of ICT in Teaching	Tezpur University India **(online)**	April 20-21, 2020.
22.	National Workshop on "Research Integrity & Awareness"	Tezpur University Tezpur	August 26, 2019
21.	**Taiwan-India joint conference – Recent progress on flow simulation and stability analysis**	**National Taiwan University, Taipei, Taiwan**	**March 15-17, 2019.**
20.	**84th Annual Conference of Indian Mathematical Society**	**SMVD University, Katra, India**	**November 27-30, 2018.**
19.	**Humboldt Colloquium Germany and India -Partners in Education and Research**	**Lela Palace, Bengaluru, India**	**November 23-25, 2017.**
18.	82nd Annual Meeting of the Indian Academy of Sciences	IISER Bhopal	November 03-06, 2016.
17.	**International Conference on Mathematical Modeling and Computer Simulation**	**IIT Madras, India**	**December 08-10, 2014.**
16.	**DAAD supported international workshop on "Advances in PDE Modeling and Computation"**	**IIT Madras, India**	**October 21- 25, 2013.**
15.	Workshop on Financial Mathematics	IIT Guwahati, India	October 29- November 3, 2012.
14.	ISI Kolkata & UGC-SAP Sponsored Workshop on Analysis	Tezpur University, India	January 03-09, 2012
13.	**Blubof2011 IUTAM Symposium on Bluff Body Flows**	**IIT Kanpur, India**	**December 12-16, 2011.**
12.	Advanced Training in Mathematics School for Lecturer in Partial Differential Equations	TIFR-CAM, Bangalore, India	December 13-24, 2010.
11.	**International Congress of Mathematicians 2010**	**Hyderabad, India**	**August 19-27, 2010.**
10.	Short Term Training Programme on Applied Numerical methods for Scientists and Engineers	VNIT, Nagpur	December 21-25, 2009.
9.	**International Conference in the memory of S. L. Yadava**	**TIFR-CAM, Bangalore**	**January 07-09, 2009.**

8.	Advanced Instructional School on PDE	TIFR-CAM, Bangalore	December 16, 2008-Jan 06, 2009.
7.	**Indo-Australian workshop on 'CFD approach on fluid flow, heat and mass transfer'**	**Dept. of Mathematics, IIT Roorkee**	**April 12-14, 2007.**
6.	Intensive Course on 'Elasticity Theory of Dislocation and Inversion of Ground Surface Strain Fields'	Dept. of Physics, Tezpur University	December 18-28, 2006.
5.	QIP Short Term Course on 'Mathematical Techniques in Science and Engineering'	Dept. of Mathematics, IIT Guwahati	June 26-30, 2006.
4.	'Training Programme on Theoretical and Numerical Aspects of Ordinary Differential Equations'	Dept. of Mathematics, IIT Guwahati	December 15-24, 2005.
3.	QIP Short Term Course on 'Fundamentals of numerical computing'	Dept. of Mathematics, IIT Guwahati	June 06-10, 2005.
2.	National Seminar	ASC, LNIPE, Gwalior	July 15-16, 2003.
1.	15^{th} National Symposium on Plasma Science & Technology 'PLASMA 2000'	SINP, Calcutta	December 5-8, 2000.

26. Courses Taught:

(a) Partial Differential Equations (Autumn 24, 23, 22, 21, 20, 19, 18, 17, 16, 14, 12, 11, 10)
(b) Fluid Mechanics (Spring 23, 22, 21, 20, 19, 06, 05, Autumn 16, 15)
(c) Continuum Mechanics (Autumn 10, 09, 07, 06, 05)
(d) Classical Mechanics (Autumn 04)
(e) Numerical Analysis (Spring 24, 23, 19, 17, 16, 12, 11, 10, 09, 07, 06, 05)
(f) Advanced Numerical Analysis (Autumn 15, 14, 13) [with Dr. D. Goswami].
(g) Numerical Solution of ODE (Spring 11, 09, Autumn 13)
(h) Numerical Solution of DE I (Autumn 06)
(i) Numerical Solution of DE II (Spring 07)
(j) Mathematical Methods (Spring 15, 14)
(k) Computer Programming (Autumn 24, 23, 22, 21, 20, 19, 18, 11, 05)
(l) Mathematics II (B. Tech.) (Spring 18, 16, 14, 13)
(m) Mathematics IV (B. Tech.) (Spring 13, 12, 10)
(n) Mathematics I (Int. M.Sc.) (Spring 09)
(o) Mathematics II (Int. M.Sc.) (Spring 17)
(p) Co-ordinate Geometry (Autumn 12)
(q) Introductory ODE & PDE (Spring 20, 21) [with Dr. D. Goswami].
(r) Statics and Dynamics (Autumn 17) [with Dr. B. K. Sarmah].
(s) Theory of ODE (Spring 22) [with Dr. J. Borah].

27. Membership in the Scientific Societies:

(a) Life Member: Indian Mathematical Society (L/2018/118).
(b) Life Member: Assam Science Society.
(c) Life Member: Assam Academy of Mathematics.

28. Date of Birth: 1st October 1976.

29. Sex: Male

30. Languages Known: Bengali (Mother Tongue) (W-R-S), English (W-R-S), Assamese (W-R-S), Hindi (R-S).

31. References:

1. Prof. Jiten C Kalita
Department of Mathematics
IIT Guwahati
Guwahati, Assam, India
PIN 781039
Phone: 91-361-2582614, E-mail: jiten@iitg.ernet.in

2. Prof. Robin Kumar Dutta
Professor and Dean, School of Sciences
Tezpur University
Tezpur, Assam, India
PIN 784028
Phone: 91-9957077808, E-mail: deanst@tezu.ernet.in

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