

Curriculum Vitae

1. Name (Block Letters) : MR. RITUPARNA GOSWAMI
2. Father's/Mother's/ Husband's Name : MR. GIRINDRA NATH GOSWAMI
3. Current Designation : ASSISTANT PROFESSOR
4. Department : CIVIL ENGINEERING DEPARTMENT
5. Institute : JORHAT ENGINEERING COLLEGE
6. Address for correspondence (with pin code) : **Department of Civil Engineering
Jorhat Engineering College
Jorhat -785007 (Assam)**
7. Permanent address(with pin code) : Flat No. 1B, AMAR ENCLAVE, R. B. Path
Tarajan, Jorhat-785001 (Assam)
8. Telephone No. (Mobile) : 9435093752
E –mail : goswami_rituparna@rediffmail.com
9. Educational qualification (HSLC onwards)

Qualification	Board/University	Year of obtaining degree	Specialization
HSLC	SEBA	1990	N/A
HS	AHSEC	1992	Science
B.Tech	Dibrugarh University	1996	Civil Engineering
M.Tech	Gauhati University	2000	Soil Mechanics

10. Details of Teaching/Research/Academic experience:

Designation	Employer	Period of Service		Scale of Pay
		From	To	
Assistant Professor	Govt. of Assam	16.01.1999	till date	Rs. 15600 – 39100/-

11. Details of publication

Journals

- i. P. Kotoky, M. K. Dutta, R. Goswami and G. C. Borah: "Geotechnical Properties of the Bank Sediments along the Dhansiri River Channel, Assam" *JOURNAL GEOLOGICAL SOCIETY OF INDIA, Vol.78, August 2011, pp.175-183*
- ii. Hussain I., Goswami R.: "A STUDY ON THE RELATIONSHIP BETWEEN SILTATION AND FLOW PARAMETERS OF A TYPICAL ALLUVIAL RIVER MANAS, A TRIBUTARY OF BRAHMAPUTRA" *International Journal of Advanced Engineering Research and Science, June, 2016 (I.D.: ISSN 2349-6495)*
- iii. Bharali R. J., Goswami R.: "A STUDY ON THE RELATIONSHIP BETWEEN SILTATION AND FLOW PARAMETER OF A TYPICAL ALLUVIAL RIVER- STUDIED OPEN CHANNEL FLOW BHOGDOI RIVER" *International Journal of Advanced Engineering Research and Science, May, 2016 (I.D.: ISSN 2349-6495)*
- iv. Rituparna Goswami and Prasanna Kumar Khaund: "A Study on the Performance of Physical Models of Permeable Screens in Meandering Reach of Alluvial Channels" *Indian journal of Natural Science, August 2022 (ISSN: 0976-0997)*

Book/e-book/book Chapter :

None

Conferences

- i. Daimari N., Bhattacharjee A. and Goswami R. "Effect of Rice Husk Ash on Shear Consolidation of lateritic Soil." *Indian Geotechnical Conference IGC2016*
- ii. Sudakshina Kalita & Rituparna Goswami "Effect of various riparian and aquatic vegetation on the sedimentation pattern of open channel flow" *Hydro-2017 International, L.D. College of Engineering Ahmedabad, India*
- iii. Tumpa Singha & Rituparna Goswami "Effect of permeable spurs (porcupines) and their dimensional variations on the erosion/sedimentation pattern of open channel flow." *Hydro-2017 International, L.D. College of Engineering Ahmedabad, India*
- iv. S. J. Baruah, R. Goswami, P. K. Khaund "A study on the effect of permeable spur on sediment Deposition in near bank within the straight reach of an experimental field channel." *Procedia HYDRO 2018 INTERNATIONAL 19-21 December, National Institute of Technology, Patna*
- v. S. J. Baruah, R. Goswami, P. K. Khaund "A study on the effect of permeable spur in velocity dissipation in near bank within the straight reach of an experimental field channel" *CESDOC 2018, 18th & 19th December, 2018, Assam Engineering College, Assam, India*
- vi. Biplob Gowala, Bhargov Phukan, Rituparna Goswami "A study on the sediment trapping efficiency of permeable spur (porcupine) models in a meandering reach of a field channel model." *INTERNATIONAL CONFERENCE ON INFRASTRUCTURE DEVELOPMENT, JEC, 21-22 Dec. 2018*

- vii. S. J. Baruah, R. Goswami, P. K. Khaund “A study on the effect of permeable spur in flow diversion from near bank within the straight reach of an experimental field channel.” *INTERNATIONAL CONFERENCE ON INFRASTRUCTURE DEVELOPMENT, JEC, 21-22 Dec. 2018*
- viii. Kalita B. J. & Goswami R. “A critical comparison of field performance of permeable spur (porcupine) models with their simulated result in a meandering reach of an experimental field channel.” *Proceedings of International conference on Engineering science & Technologies for environmental care (ESTEC), February 20-22, 2020, CSIR North East Institute of Science & Technology, Jorhat-785006 Assam, India*
- ix. Himanta Borkakaty, R. Goswami et. al. “Study of Liquefaction potential of Sub-soil in Northern Jorhat and Majuli Region.” *Proceedings of IGC-2021, 16th to 18th Dec., NIT, Tiruchirapally*
- x. Kapil Saikia, R. Goswami et. al. “Liquefaction study of subsurface soil in southern jorhat, assam” *Proceedings of IGC-2021, 16th to 18th Dec., NIT, Tiruchirapally*
- xi. Plavita Baruah, R. Goswami et. al. “Assessment of Liquefaction Potential of Subsoil of Southern Jorhat Region (Assam) Using SPT-N Values” *Proceedings of IGC-2021, 16th to 18th Dec., NIT, Tiruchirapally*
- xii. Shreya Tamuli, R. Goswami et. al. “Study of Liquefaction Potential of Subsoil in Northern Jorhat and Majuli Region.” *Proceedings of IGC-2021, 16th to 18th Dec., NIT, Tiruchirapally*
- xiii. Goswami Rituparna, Khaund Prasanna Kumar “A performance study on models of permeable screens in an experimental field channel with alluvial bed.” *International Conference on Research, Innovation and Practices in Science, Technology and Management for Societal Benefits (ISBN: 978-93-91535-30-8), 8th & 9th April, 2022, Podder International College, Jaipur, Rajasthan.*
- xiv. Goswami Rituparna, Khaund Prasanna Kumar “A study on performance of permeable spur models in flow velocity reduction in the near bank of a channel” *International Multidisciplinary conference on Research, Technology and Engineering (ISBN: 978-93-91535-28-5), 7th & 8th April, 2022, KJEEI's Trinity Academy of Engineering, Pune, India*

12. Area of Specialization: Soil Mechanics

13. Areas of Research Interest: Design of flood control measures.

14. M.Tech Dissertation Supervised

Sl No.	Name of Student	Dissertation	Year	Status
01	Mr. Gahin Das	A study on obtaining optimal modal of a porcupine screen in a laboratory tilting type channel and assessment on the performance of similar prototype screen installed at a studied reach in an OCF	2014-15	Completed
	Mr. Iftikar Alam	A case study on the performance analysis of porcupine screen installed within a reach of a river on the basis of the seasonal	2014-15	Completed

		variation of flow characteristics of the reach		
	Mr. Imran Hussain	A study on the relationship between siltation and flow parameters of a typical alluvial river manas, a tributary of brahmaputra	2015-16	Completed
	Mr. Raj Jyoti Bharali	A Study on the relationship between siltation and flow parameter Bhogdoi River	2015-16	Completed
	Ms. Sudakshina Kalita	Effect of various riparian and aquatic vegetation on the sedimentation pattern of open channel flow	2016-17	Completed
	Ms. Tumpa Singha	Effect of permeable spurs (porcupines) and their dimensional variations on the erosion/sedimentation pattern of open channel flow	2016-17	Completed
	Mr. Biplob Gowala	A study on the sediment trapping & erosion control efficiency of permeable spur (porcupine) models in a meandering reach of a field channel model	2017-18	Completed
	Mr. Shekhar Jyoti Baruah	A study on the effect of permeable spur in bank protection, flow diversion and velocity dissipation in a straight reach of an experimental field channel	2017-18	Completed
	Mr. Bhargov Phukan	Study of siltation and erosion pattern within and around permeable spurs (porcupine) in the straight reach of an alluvial channel	2018-19	Completed
	Ms. Joly Gogoi	Study of siltation and erosion pattern within and around permeable spurs (porcupine) in the meandering reach of an alluvial channel	2018-19	Completed
	Ms. Kashmiri Deuri	A Comparative Study on the Performance of Porcupine Screens in the Straight reach of an Alluvial Channel	2019-20	Completed
	Mr. Bhaskar Jyoti Kalita	A comparative study on the performance of porcupine	2019-20	Completed

		screens in the meandering reach of an alluvial stream		
	Mr. Nilutpal Hazarika	A comparative performance study of model porcupine screens in a straight alluvial reach	2020-21	Completed
	Mr. Hussain Minhajul Ijaj	A comparative performance study of model porcupine screens in a meandering reach of an alluvial channel	2020-21	Completed
	Mr. Deepjyoti Sutradhar	A study on the effects of dimensional configurations of porcupine screens on their performances	2021-22	Ongoing
	Ms. Nitashree Deka	Performance analysis of existing permeable spurs (porcupines) in upper Assam region	2021-22	Ongoing
	Mr. Raktutpal Saikia	An investigation into evaluation of optimal porcupine design criteria based on trial model study	2021-22	Ongoing

15. PhD Thesis Supervised: None

16. Professional membership: None

17. Details of participation in Faculty Development program/STTPs/Training activities

Sl No.	Details of FDP/STTPs/Training activities attended	Organisation	No of days	Year
	Short Term Course on “Technical Skill Development: MATLAB with Hands on Training.	Under NEQIP in Jorhat Engineering College, Jorhat, Assam-785007	Two weeks	01.09.14 to 12.09.14
	Short Term Course on “Course management System: MOODLE with Hands on Training.	Under NEQIP in Jorhat Engineering College, Jorhat, Assam-785007	One Week	03.11.14 to 07.11.14
	Short Term Course on Disaster Management	Under NEQIP in Jorhat Engineering College, Jorhat, Assam-785007	One Week	09.02.15 to 13.02.15
	Short Term Course on Recent advances in Civil Engineering	Under NEQIP in Jorhat Engineering College, Jorhat, Assam-785007	One Week	08.12.15 to 12.12.15

	Workshop on “Outcome Based education”	Under NPIU-TEQIP in Jorhat Engineering College, Jorhat, Assam-785007	Two days	09.03.2018 to 10.03.2018
	Workshop on “Signal Processing, Computer Vision and Applications”	Under TEQIP-III in Jorhat Engineering College, Jorhat, Assam-785007	Two days	26.03.2018 to 27.03.2018
	Short Term Course on “Faculty Induction Program-Outcome Based Education”	Under TEQIP-III in Jorhat Engineering College, Jorhat, Assam-785007	Two Weeks	07.05.2018 to 17.05.2018
	“Summer Training Program on Active Learning”	Under NPIU-TEQIP in IIT, Madras	One Week	09.07.2018 to 13.07.2018
	Recent Development in Civil Engineering	Under TEQIP in Jorhat Engineering College, Jorhat, Assam-785007	One Week	13 th to 17 th July, 2020

18. Short term courses organized/Conferences arranged/Course modules developed: None

19. Chair in Conference/ Invited Lecture/ Key note speaker: None

20. Details of R&D Projects:

Sl No.	Details	Organisation	Year	Status	Amount
01	R &D Project titled “A detailed Modal Study on the Siltation Pattern at the Downstream of Porcupine Screening in a Tilting Type Sedimentation Channel”	NEQIP, AICTE	2015-16	PI	2, 00. 000/-
02	R & D Project Titled “Erosion Succptivity analysis around Majuli, the largest river island of the world”	DST	2008-09	Co- PI	5,52,000/

21. Details of Major Consultancy Projects involved

Sl No.	Details	Organisation	Year	Amount
01	Team member of the Third party quality Assurance Consultant for Neer Neermal Pariyojana (NNP), Jorhat	PHED, Govt. of Assam	10.09.2015 to 31.03.2020	30 Lakhs per annum (Lump sum)
02	Member, State Technical Agency (PMGSY)	NRRDA, GOI	01.07.2013 till date	9 Lakhs per annum (Lump sum)

22. Other information:

Sl No.	Details	Organisation	Year
01	Acted as coordinator in the execution of the project titled "IMPLEMENTATION OF IMPROVEMENT OF WATER QUALITY OF THE EXISTING ESS AT THE JEC PREMISE, GARMUR, JORHAT- 785007 (ASSAM)"	Funded by AICTE under Special Scheme for North East States (NER)	2019-21