

Vivekananda College

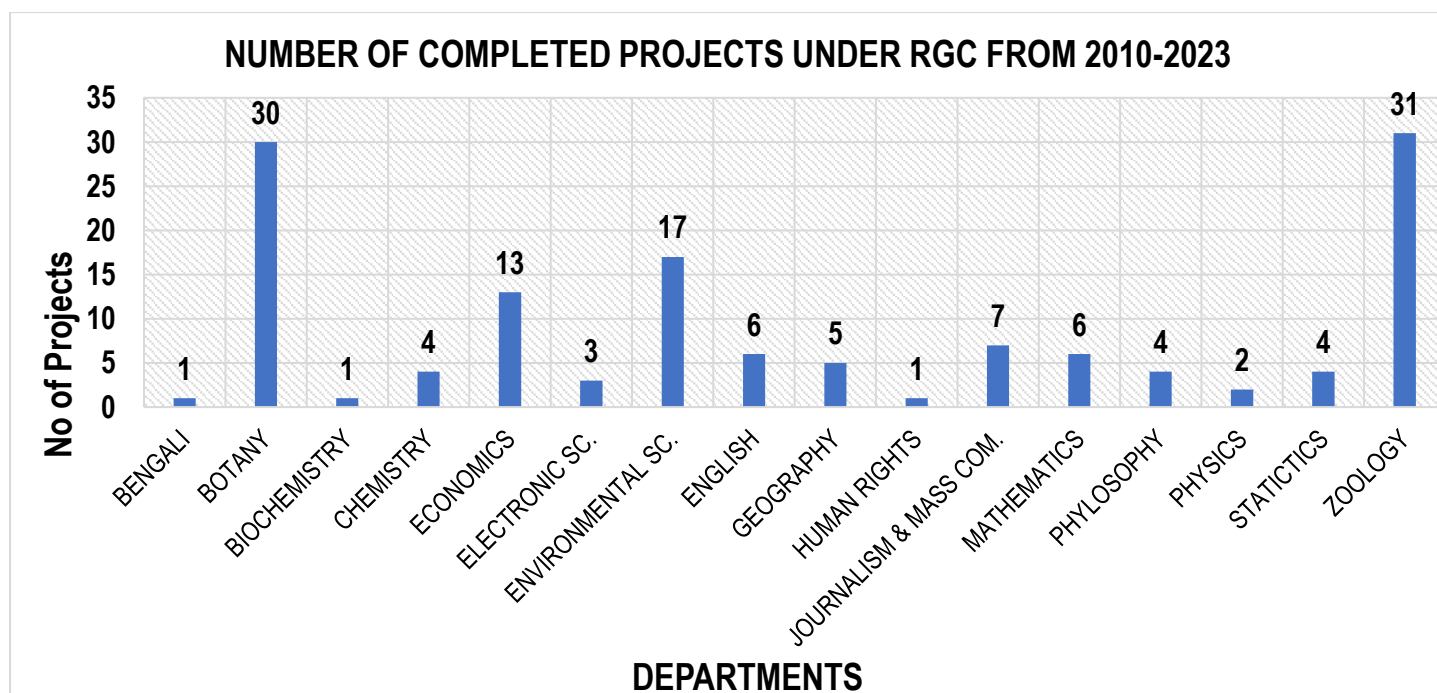
Research Guidance Cell



The **Research Guidance Cell (RGC) of the Vivekananda College** provides financial assistance to its Teaching Faculty to conduct Students' Research Projects of one-year tenure by involving the active participation of small groups of motivated undergraduate students from their respective Departments. The Cell came into being in 2010 and has run successfully for a decade and is continuing in full swing.

While compiling the volume of projects that has been sanctioned by the Research Guidance Cell (RGC) of the Vivekananda College, it was observed that –

1. The RGC within a span of last 12 years [Academic Session wise] has funded 135 such Students Research Projects, under the mentorship of 41 Teaching Faculty involving 16 Departments of Vivekananda College. The Graph delineates the Departments that benefitted from the Scheme.



2. Each RGC project had 3 Undergraduate Students. So, a total **405 Undergraduate students** of Arts and Science at the minimum were benefitted where they were able to develop to a certain extent the much needed analytical and problem solving skill that forms a inherent part of any research work.

Workshops organized by RGC for the session 2020-2021 and 2021-2022 for Academic Grooming of Undergraduate Students.



TEAMCOGNITO®
A TEAM FOR CHANGE

TeamCognito in collaboration with RESEARCH GUIDANCE CELL
VIVEKANANDA COLLEGE, THAKURPUKUR
Presents



VIVEKANANDA COLLEGE • THAKUR
बुद्धिमात्रेण विद्यायाः

Webinar

on

Cyber Security and Ethical Hacking



SPEAKER
Imran Roshan
Technical Trainer - Cyber Security,
Machine Learning and Cloud Computing
Digital Marketing Associate
TeamCognito Tech LLP

Time:

July 29, 2020
4pm onwards

Form Link: <https://bit.ly/RegisterVC>
Google Meet Link: <https://bit.ly/meetingvc>

Certificates shall be provided

An insightful webinar on cybersecurity and ethical hacking was organized by the Research Guidance Cell of Vivekananda College. In this engaging session, industry expert delved into the critical aspects of cybersecurity, covering topics such as threat landscape analysis, defensive strategies, and the ethical considerations surrounding hacking practices. Participants gained valuable insights into the latest trends and techniques in safeguarding digital assets while exploring the ethical boundaries of cybersecurity.

Online International Workshop on Career Development in higher academics: Research Prospects and Job Opportunities
9-10th April, 2022; 5-7 pm Indian Standard Time

CACTUS
ResearcherLife

Vivekananda College, Kolkata

Organized by:
Research Guidance Cell,
Vivekananda College

Sponsored by:
Cactus Communications Pvt Ltd

Schedule for Day 1:

- Talk: "Crafting Your Career in Science"**
by Dr. Bhakti Jayant Vyas
 - Diversity of research and associated jobs in academia and industry
 - How to bridge the gap between academic skills and industrial placements
- Talk: "Is Science Writing for You?"**
by Dr. Shivanee Shah

Schedule for Day 2:

- Panel discussion: "Developing Flexibility in Career Plan"**
Panelist: Dr. Aridni Shah, Dr. Smita Jain, and Dr. Aritra Misra

Registration open till 6th April 2022
Limited seats available
<https://bit.ly/3KPDFJA>

Speakers

Dr. Tapan Kumar Poddar
CHIEF PATRON
Principal, Vivekananda College, Kolkata, India

Dr. Smita Jain
Associate Director, Academic and Government Relations (India)
Cactus Communications, India

Dr. Shivanee Shah
Head of content (Impact Science)
Cactus Communications, India

Dr. Aridni Shah
Founder of ImmunitoAI, India

Dr. Bhakti Jayant Vyas
Scientist, TwelveBio, Denmark

Dr. Aritra Misra
Post-doctoral researcher
University of Copenhagen, Denmark

Research Guidance Cell in collaboration with **Cactus Communications Pvt. Ltd**, organized a 2 days Online International Workshop on "**Career Development in Higher Academics: Research Prospects and Job Opportunities**" dated 9th and 10th April, 2022. The workshop has been sponsored by the corporate organization.

International Workshop on Career Counselling:
How To Write A Professional CV & Cover Letter For Academic And Industrial Job Application

Organized by
Research Guidance Cell
Vivekananda College, Thakurpukur, Kolkata

Link: <https://forms.gle/LUXKCFUa4nUjfcQA>

ABOUT THE RESEARCH GUIDANCE CELL:
The Research Guidance Cell (RGC) of the Vivekananda College provides financial assistance to its Teaching Faculty to conduct Students' Research Projects of one-year tenure by involving the active participation of small groups of motivated undergraduate students from their respective Departments. The Cell came into being in 2010 and has run successfully for more than a decade. The RGC within a span of 10 years has funded 137 such Students Research Projects, under the mentorship of 41 Teaching Faculty involving 16 Departments of Vivekananda College.

Schedule

Day 1
Day1: 0:00 0:15 hrs: General introduction and welcome
Day1: 0:15 0:45 hrs: Importance of professional CV and LinkedIn profile in any job market
Day1: 0:45 1:45 hrs: Training on how to write an academic CV
Day1: 1:45 2:00 hrs: Break
Day1: 2:00 3:00 hrs: Training on how to create a professional LinkedIn profile

Day 2
Day2: 0:00 0:30 hrs: Recap of previous learning
Day2: 0:30 1:30 hrs: Training on how to write an industrial CV
Day2: 1:30 1:45 hrs: Break
Day2: 1:45 2:45 hrs: Training on how to write an industrial cover letter

RESEARCH GUIDANCE CELL COMPOSITION

CHAIRPERSON
DR. TAPAN KUMAR PODDAR,
PRINCIPAL,
VIVEKANANDA COLLEGE

JOINT CONVENORS
DR. MALABIKA BHATTACHARJEE,
DR. MANABENDU SARKAR

MEMBERS
PROF. MEENAKSHI MUKHERJEE
DR. PAMPA SENGUPTA
DR. JAYEETA SAHA
DR. ABHISHEK DAS
DR. PRABAL GIRI
DR. SHAOLI MAJUMDAR
PROF. KUNALJEET ROY
DR. SAKUNTALA CHAKRABORTY

Career Counsellors:

Aritra Misra (PhD)
Post-Doctoral Research Fellow,
Novo Nordisk Centre for Stem Cell Biology,
University of Copenhagen, Denmark.
(<https://www.linkedin.com/in/aritrasmisra123/>)
Aritra Misra completed his PhD from the Institute for Stem Cell Science and Regenerative Medicine (iStem), India and is currently pursuing his post-doctoral research at the Novo Nordisk Centre for Stem Cell Biology, University of Copenhagen, Denmark. His research aims at dissecting the role of mechanical and signalling cues in regulating tissue development. Aritra has published his research in peer reviewed journal and has been a recipient of national and international awards. Aritra aims at harnessing the power of live-imaging microscopy and genomics to understanding complex cell behaviours.

Bhakti Jayant Vyas (PhD)
Post-Doctoral Research Fellow,
Novo Nordisk Centre for Protein Research,
University of Copenhagen, Denmark.
(<https://www.linkedin.com/in/bhakti-jayant-yyas-22b19b108/>)
Bhakti Jayant Vyas completed her PhD from the Institute for Stem Cell Science and Regenerative Medicine (iStem), India. She is currently working as a scientist at TwelveBio, a leading spin-out company from the Novo Nordisk Centre for Protein Research, University of Copenhagen, Denmark. Her current research aims at technological advancement of CRISPR-based gene editing tools for improved therapy of genetic disorders. Bhakti has published her doctoral research in peer reviewed journals and has been a co-author of an invited review article. With an expertise ranging from molecular to stem cell biology, Bhakti is dedicated to gene therapy and is passionate towards application-driven science.

Date: 11&12 December, 2021
Time: 4:00PM to 6:00 PM

Research Guidance Cell in collaboration with **Cactus Communications Pvt. Ltd**, organized a 2 days Online International Workshop on "**Career Development in Higher Academics: Research Prospects and Job Opportunities**" dated 9th and 10th April, 2022. The workshop has been sponsored by the corporate organization.

List of Research Project Undertaken by The Research Guidance Cell 2018-2023

2018-2019					
	Reference No.	Department	Name of Co-ordinator	Project Title	Name of Co-investigators
1.	VC/RGC/01/18	Botany	Dr. Asis Kumar Pal	Biodiversity of macrofungi with special reference to wood-rotting fungi of Bibirhat, 24 Parganas (South), West Bengal	Kankan Roy, Saradiya Mitra and Sujan Naiya
2.	VC/RGC/02/18	Geography	Baishali Mukherjee	Nature of migration of students to educational institution: Vivekananda College	Arsita Khatun and Sohini Mitra
3.	VC/RGC/03/18	Geography	Baishali Mukherjee	Impact of water-logging on agricultural production in and around Pailan	Souvik Sil and Sweta Thakur
4.	VC/RGC/04/18	Geography	Baishali Mukherjee	Nature and impact of water-logging in and around Behala, Kolkata	Rajani Thakur
5.	VC/RGC/05/18	Environmental Science	Dr. Rajarshi Mitra	An inventory for causes of heat island formations at Kolkata	Milan Sahadevan Kuleri, Utsav Biswas and V Rohit Kumar
6.	VC/RGC/06/18	Botany	Dr. Kuntal Narayan Chaudhuri	Survey of underutilized edible plants in the south-western suburbia of Kolkata	Kankan Roy, Saradiya Mitra and Sujan Naiya
7.	VC/RGC/07/18	Zoology	Dr. Trijit Nanda	Growth and development of earthworm in the context of Regeneration (<i>Metaphire peguana</i>)	Aheli Dey, Rajeswari Saha, Sharbari Sen and Sumana Besra
8.	VC/RGC/08/18	Botany	Dr. Sutapa Kumar (Rai)	Ethnobotanical survey of some sacred groves of Bankura District, West Bengal	Animesh Manna, Meghnath Hembram and Rabi Sankar Mondal
9.	VC/RGC/09/18	English	Dr. Anuradha Mukherjee	Relation of Macbeth with King James I and exploration of some 'Macbeth's' throughout history	Payel Halder, Priyanka Hazra, Shubhadeep Hazra and Soham Chatterjee
10.	VC/RGC/10/18	English	Dr. Anuradha Mukherjee	Thematic and structural problems in Shakespeare's 'Twelfth Night'	Debolina Chakraborty, Shrestha Mukherjee, Suhana Parveen and Tanish Bhattacharjee
11.	VC/RGC/11/18	English	Dr. Anuradha Mukherjee	Gender and cross-dressing in Shakespeare: a study	
2019-2020, 2020-2021, 2021-2022					
	Reference No.	Department	Name of Co-ordinator	Project Title	Name of Co-investigators
12.	VC/RGC/01/19	Botany	Dr. Asis Kumar Pal	Isolation and characterization of endophytic fungi from <i>Excoecria agallocha</i> L.(Euphorbiaceae) a medicinal mangrove plant of Indian Sundarbans.	Ayan Deb Goswami, Jesika Upadhyay, Shreyansi Das, Sreeja Nag
13.	VC/RGC/02/19	Botany	Dr. Ashutosh Mukherjee	Digitization of the herbarium specimens of the department of Botany, Vivekananda College.	Poly Ghosh, Rabi Sankar Mondal, Samsiddha Roy
14.	VC/RGC/03/19	Botany	Dr. Kuntal Narayan Chaudhuri	An ethnobotanical study of NTFPs of tribal communities in the forest areas of Bankura.	Animesh Manna, Maghnath Hembram, Sayantan Mandal
15.	VC/RGC/04/19	Economics	Dr. Pampa Sengupta	Is upsurge of digital media really a threat to the existing print media? Analysis based on case studies in some selected Kolkata book markets.	Ayonabha Singha, Sarbajyoti Mandal
16.	VC/RGC/05/19	Economics	Dr. Pampa Sengupta	Rural females inclusivity and the issue of demography dividend: some reflection	Ankita Chatterjee, Anushka Chatterjee, Jagriti Dutta
17.	VC/RGC/06/19	Economics		Temple economics: the economics surrounding a temple	Adeetha Mitra, Hrishikesh Mukherjee, Param Mallik, Srijit Dutta
18.	VC/RGC/07/19	Environmental Science	Dr. Sakuntala Chakrabarti	Time variant data analysis of noise level in suburban areas near Kolkata	Rohit Sharma, Utsav Biswas
19.	VC/RGC/08/19	Environmental Science	Sumana Mukherjee	Societal perception of environmental issues: A study on the effect of socio-economical and educational background	Labani Roy, Torsha Guha Thakurta, Utsav Biswas
20.	VC/RGC/09/19	Mathematics	Dr. Debasis Mukherjee	Study of interacting populations through mathematical model	Adrija Dalal, Poushali Das

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21.	VC/RGC/10/19	Mathematics	Debraj Nath	A study of solvable time dependent potentials with moving boundary conditions	Nandini Bhowmik, Shreya Datta, Suhana Khatun
22.	VC/RGC/11/19	Mathematics	Dr. Jayeeta Saha	Analysis of vector spaces over a finite field	Priyatee Ghosh, Soumili Pramanick, Torsha Ghosh
23.	VC/RGC/12/19	Sanskrit	Dr. Abhishek Das	Contribution of the institutions of Kolkata and its surroundings in contemporary Sanskrit literature (1970-2020)	Amrita Bhowmick, Mitali Manna, Prottyusha Mohish
24.	VC/RGC/13/19	Zoology	Dr. Malabika Bhattacharjee	Documentation of the avifaunal diversity as well as the feeding habitat of the observed avifauna at Chintamani Kar Bird Sanctuary for two seasons: winter and summer	Anirban Biswas, Monjoy Ghosh, Moumita Maji, Subhraneel Saha
25.	VC/RGC/14/19	Zoology	Dr. Malabika Bhattacharjee	Documentation of the avifaunal diversity as well as the feeding habitat of the observed avifauna at Santragachi Jheel for two seasons: winter and summer.	Adil Chowdhury, Ahana Bera, Debasish Mandal, Swomdeb Mondal
26.	VC/RGC/15/19	Zoology	Ranu Chakravarty	A preliminary assessment of the diversity and abundance of butterfly fauna in Vivekananda College (Thakurpukur) campus	Nandita Shaw, Swastik Majumdar
27.	VC/RGC/16/19	Zoology	Dr. Samita Kundu	Evaluating the effects of certain stressors on the circadian rhythm of <i>Oreochromis sp.</i>	Madhuparna Karmakar, Saikat Roy, Shreyasi Ghosh
28.	VC/RGC/17/19	Zoology	Dr. Samita Kundu	A brief study on communication in street dogs in some localities of Kolkata	Alip Naskar, Koustav Chakraborty, Soumya Kanti Basu
32.	VC/RGC/18/19	Zoology	Dr. Shaoli Majumder	Study of life cycle of selected butterfly species	Bratati Pramanik, Mihika Samanta, Sutrishna Halder
29.	VC/RGC/19/19	Zoology	Dr. Trijit Nanda	Dorsal body cells (DBC) play a major role in the reproductive regulation in <i>Lymnaea luteola</i> (Radix)	Bikram Das, Mou Biswas, Nilanjana Goswami, Saptadwipa Maitra

2022-2023

	Reference No.	Department	Name of Co-ordinator	Project Title	Name of Co-investigators
30.	VC/RGC/04/22	Biochemistry	Dr. Dibyendu Raj	Studies on the effect of hydroxycinnamic acid on <i>Entamoeba histolytica</i>	Ishika Ghosh; Rishav Ghosh
31.	VC/RGC/05/22	Economics	Dr. Pampa Sengupta	Economic Growth and Distribution: Study of the Indian Economy since Independence	Soubhagya Biswas; Sampurna Barua; Anuska Chakraborty; Upama Mukherjee
32.	VC/RGC/06/22	Economics	Dr. Pampa Sengupta	Macrostabilization and Policy Regorms in India: Some refelections of the past global period.	Debayan Mukherjee; Avi Bhattacharjee; Atri Kumar Roy; Sankhadeep Sengupta; Ashin Chakraborty; Sayak Dutta
33.	VC/RGC/07/22	Economics	Dr. Pampa Sengupta	Healthcare and issue of Covid-19: India in Global perspective	Sradhya Chakraborty; Tuneer Das; Mitisha Mukherjee; Debasis Halder; Lipakshi Acharjee
34.	VC/RGC/08/22	Economics	Dr. Pampa Sengupta	MSME, Startups and Employment : An appraisal of the Inidan Economy for the post global period.	Srijita Bhattacharjee; Debanjana Das; Somnath Das; Dipanita Maity; Ankita Das
35.	VC/RGC/09/22	Economics	Dr. Pampa Sengupta	Wage differentials in Inidan labour market: Comparative study on employment conditions of casual labour and regular employees	Mayukh Kundu; Abhishek Acharya; Sohini ganguly; Somnath Deb; Souryadeep Dasgupta
36.	VC/RGC/10/22	Environmental Science	Dr. Sakuntala Chakrabarti	A study of noise pollution measurement and related survey in some selected phases of Kolkata, West Bengal.	Dilraj Singh; Sravana Chanda; Ashmita Rakshit
37.	VC/RGC/11/22 [RENEWAL]		Sumana Mukherjee	Societal Perception of Environmental Issues: A study on the effect of socio-economic abd educational background.	Sreejato Bhattacharayaa; Sristy Mukherjee and Ratul Ghosh
38.	VC/RGC/12/22	Geography	Baishali Mukherjee	A comparative study of economic condition pre covid & post covid scenario at Sonajhuri Market, Shantiniketan	Soham Das; Arijit Saha; Sukalyan Gayen

39.	VC/RGC/13/22	History	Aparajita Bhattacharjee	Understanding myriad of Buddhas in the Tantric Buddhist pantheon.	Sankar Halder
40.	VC/RGC/14/22	Maths	Dr. Joyeeta Saha	A note on infinite dimensional vector space over a finite field.	Subhadip Nandi; Arnab Mondal
41.	VC/RGC/15/19	Sanskrit	Dr. Abhishek Das	Pandit's of Bengal and their contributions to the society: An overview.	Dibya Kanthal; Sheuli Halder; Anusree Chakraborty
42.	VC/RGC/16/22	Zoology	Dr. Malabika Bhattacharjee	Acute Toxicity Impact of Sodium Arsenite on the histopathology of vital organs of Tilapia and its possible revival with Curcumin supplemented in diet.	Atreyee Samaddar; Riya Chowdhury; Bidisha Ray
43.	VC/RGC/17/19	Zoology	Dr. Samita Kundu	Evaluating the toxicity of Arsenic on some biochemical parameters in Tilapia and its possible revival with Curcumin.	Mihika Samanta; Jahnabi Saha
44.	VC/RGC/18/19	Zoology	Dr. Trijit Nanda	Nutritive impact of Folic Acid in the histophysiology of Tilapia	Subhra Kamal Ghosh; Kaushik Acharya