

(A NCTE recognized Govt. Aided (WB) Autonomous Post-Graduate College under University of Calcutta) Belur Math, Howrah - 711 202, West Bengal

## 5.1.1 A range of capability building and skill enhancement initiatives are undertaken by the institution such as

- 1. Career and Personal Counseling
- 2. Skill enhancement in academic, technical and organizational aspects
- 3. Communicating with persons of different disabilities: Braille, Sign language and Speech training
- 4. Capability to develop a seminar paper and a research paper; understand/ appreciate the difference between the two
- 5. E-content development
- 6. Online assessment of learning

Report on each capability building and skill enhancement initiative adopted with seal and signature of the Principal



Swami Vidyamritananda Principal (Offg.) Ramakrishna Mission Sikshanamandira Belur Math, Howrah-711202, W.B.

"Education is the manifestation of the perfection already in man."

Swami Vivekananda

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### **Initiatives During 2022-23** 1. Career and Personal Counseling Value added course on PGDGC

Ramakrishna Mission Sikshanamandira hosts a guidance and counselling cell that offers a valuable value-added course on Post Graduate Diploma in Guidance and Counselling (PGDGC). This course has been a recurring program at the institution, drawing participants every year. Br. Vinayachaitanya, an esteemed member, serves as the coordinator of this course.

The PGDGC program was initiated at Ramakrishna Mission Sikshanamandira in 2013, and since then, it has provided students with comprehensive training in the field of guidance and counselling. The course aims to equip individuals with the necessary knowledge and skills to offer effective guidance and counselling services in various educational and professional settings.

Participants of the PGDGC course benefit from a well-structured curriculum that covers essential topics such as counselling theories, techniques, and ethics. Practical sessions, webinar, seminar and workshops are also conducted to provide hands-on experience in counselling practices.

The guidance and counselling cell at Ramakrishna Mission Sikshanamandira plays a pivotal role in creating a supportive and nurturing environment for students pursuing the PGDGC course. The program has received positive feedback from participants, who have expressed their appreciation for the valuable insights gained and the transformative impact it has had on their professional growth.

Overall, the PGDGC course offered by Ramakrishna Mission Sikshanamandira's guidance and counselling cell has become a significant and sought-after program since its inception in 2013. It continues to empower individuals with the necessary skills to excel in the field of guidance and counselling, contributing to the overall betterment of the educational and professional landscape.



In the current year, the PGDGC course began on 18.09.2022, and the results have been published 19.09.2023. A total of 4 students have enrolled in this course.

### Workshop on Digital Hygiene

The Workshop on Digital Hygiene, held on 13th February 2023 from 11:00 AM to 1:30 PM, was a resounding success. Sponsored by the Workshop on Digital Hygiene, the event was coordinated by Prof. Russell Al Farabi, with Sri Jaydeep Dasgupta, Editor at News Sense and Trainer for GNI India Training Network, as the distinguished speaker. The workshop drew active participation from 86 students. Sri Jaydeep Dasgupta provided valuable insights into digital hygiene, addressing its significance in today's context. The interactive sessions facilitated an engaging learning experience, allowing students to grasp essential concepts. Overall, the workshop effectively conveyed the importance of digital hygiene and received positive feedback from the participating students.



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Inaugural of workshop on "Digital Hygiene" on 13.02.2023



Discussion sessions of workshop on "Digital Hygiene" on 13.02.2023



## 2. Skill enhancement in academic, technical and organisational aspects

Ramakrishna Mission Sikshanamandira offers a range of value-added courses and self-study programs aimed at enhancing skills and knowledge in various domains. These courses include "Skill Enhancement in Academic, Technical, and Organisational Aspects through Internship in Schools," "Value-added Course on Data Analysis through MS-Excel," "Value-added Course on Low Cost No Cost Teaching Aids," "Self-Study Course on Effective Time Management," "Self-Study Course on Creative Thinking and Innovation," "Advanced Research Methodology," "Advanced Life Skills Training," "Advanced Environmental Studies," and "Advanced Child Development and Pedagogy."

These programs provide valuable opportunities for individuals to acquire specialised skills and expertise in their respective fields. Participants in the internship program gain practical experience in academic, technical, and organisational aspects through hands-on work in schools. The data analysis course equips learners with proficiency in using MS-Excel for statistical analysis and data interpretation.

The value-added course on low cost no cost teaching aids focuses on innovative and economical teaching tools that can enhance classroom learning. The self-study courses on effective time management and creative thinking foster personal growth and professional development.

The advanced research methodology course equips participants with advanced research skills and techniques. The advanced life skills training program aims to develop essential skills for personal and professional success. The advanced environmental studies course focuses on promoting environmental awareness and sustainable practices.

Lastly, the advanced child development and pedagogy program delves into the intricacies of child psychology and effective teaching methodologies.

These courses and programs at Ramakrishna Mission Sikshanamandira offer a comprehensive platform for skill development, knowledge enhancement, and professional growth. Participants are equipped with valuable tools and insights that contribute to their overall competence and effectiveness in their respective fields.



**RAMAKRISHNA MISSION SIKSHANAMANDIRA** (A NCTE recognized Govt. Aided (WB) Autonomous Post-Graduate College under University of Calcutta)

Belur Math, Howrah - 711 202, West Bengal

#### **Internship in Schools**

School Internship Program organised by Ramakrishna Mission Sikshanamandira is attended by teacher trainees every year in schools. Teacher trainees go to school and do various academic, cultural, and administrative activities. Mentor Teachers increase their competency in these subjects in advance which helps them to manage these functions properly by going to school. The teacher Educators frequently go to the schools to observe all these activities and give necessary advice. Also mentor Teachers of our college give them the necessary advice to work with the relevant environment. Nature of internee engagement during internship consists of a) Classroom teaching, b) Mentoring, c) Time-table preparation, d) Student counselling, e) Assessment of student learning – home assignments & tests, f) Organising academic and cultural events, g) Maintaining documents, h) Preparation of progress reports. At the end of the school internship programme there is a probation of final teaching. During the period of internship all these activities performed by the teacher trainees are monitored by the mentor teachers as well as the Headmaster or personnel on the charge in the internship schools. In this internship period teacher trainees should write an internship report which claims their engagements in those aforesaid schools related activities.

This year the Internship Program is running for 16 Weeks, from 01-09-2022 to 30-11-2022 (8 Weeks 1st Phase) and from 08/02/2023 to 08/04/2023 (8 Weeks 2nd Phase).



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NAAC Re-scondited - 'A' RAMAKRISHNA MISSION SIKSHANAMANDIRA at Pent-Gualaxie College under the University of Culvaria scalar section 22 of the UGC Act and doily reception by the NCTT) College with Potential for Excellence (CPE) College of Teacher Education (CTE) & Swami Vivekanarda Centre for Multidisciplinary Research in Educational Studies (SVCMRES) Phone No. - (033) 2654 -4081/9281/1835 Eur - (033) 2654 - 4412 Email - skorene ig ganall zone, ekansen g rediffenall com Website - www.ekansar.org Belur Math, Bowrah - 713 202, West Bengal NOTICE 2nd phase Internship of B.Ed. 4th semester (2nd year) students for the session 2021-23. It is hereby notified to all the B.Ed. 2nd Year students for the session 2021-23 that 2nd phase school internship will commence on and from 8th February, 2023 to 8th April, 2023. Students are requested to consult with their subject tasebers for learning design and needful activities. Students' list of schools is given below, Video Principal (Org.) ina Minsler Takahana Bety Nath, Howah 711202, IR.R. "Estocation is the manifestation of the prefection slovedy in man. - Swami Vivekananda

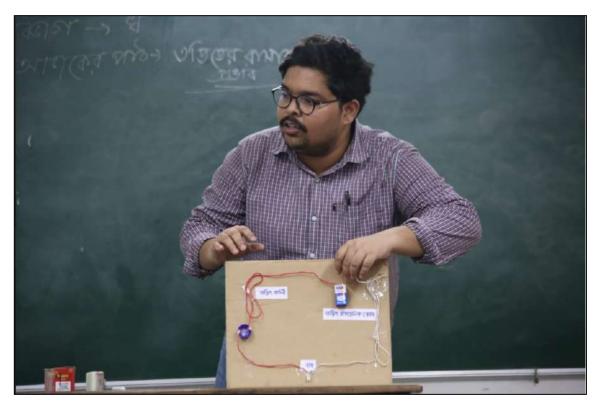
**School Internship Notice to trainees** 



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Trainees are engaged in taking classes as a part of academic aspects



Trainees are engaged in demonstration as a part of technical aspects

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Trainees are engaged in preparatory works for the exam as a part of organisational aspects

### Value Added course on: Low Cost No Cost Teaching Aids

Course Code: LCNCTA/07/22-23

Course Coordinator: Dr. Satyajit Kar

Name of the Resource Persons: Dr. Satyajit Kar, Sri Hitasish Bhowmik

Course duration: 20 February 2023 to 03 April 2023

Contact Hours: Every Saturday and Sunday from 2:00 p.m. to 4:30 p.m., for a total of 35 hrs.

Mode: offline

**Total Number of Students Enrolled: 9** 

**Total Number of Students Completed:** 8

Course Fee: NIL

#### **Brief Descriptions:**

To begin with the course report, on behalf of the organisers Ramakrishna Mission Sikshanamandira, the Coordinator of the said Course Dr. Satyajit Kar gave welcome notes on the aforesaid course. After that the principal of Ramakrishna Mission Sikshanamandira, revered Swami Vidyamritananda Maharaj welcomed all the participants of the course. This course was designed to initiate the idea among the trainees of Ramakrishna Mission Sikshanamandira in order to cultivate the ideas of various low cost and no cost teaching Aids involved in the teaching



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of Science and Mathematics. In the auspicious presence of revered Swami(Dr.) Tattwasarananda Maharaj, Dr. Satyajit Kar the coordinator of the said course welcomed all the participants of this course. The exhibition along with the lectures of a variety of distinguished resource persons inspired the trainees. One of the major objectives of this certificate course is to make our students interested in Various low cost no cost teaching Aids. After completion of the aforesaid course it can be said that the course objectives become fulfilled in this regard. The length of the course was 35 hours. Last date of enrolment for the course was 19 February, 2023. The course was conducted Every Saturday and Sunday from 2:00 p.m. to 4:30 p.m. (20 February 2023 to 03 April 2023) with 9 enrolled students. A total of 8 students completed the course successfully and received the participation certificate on 6 April 2023.

#### BROCHURE AND COURSE CONTENT ALONG WITH CLOS OF VALUEtime ADDED COURSES Every Saturday and Sunday from 2:00 p.m. to 4:30 p.m. Date 20 February to 3 April, 2023 TOY'S FROM TRASP Where Course on Low Cost No Cost Teaching Aids Contact Info: m (LCNCTA) 🔀 rkmsm@rediffmaiLcom (Online/Offline Blended Mode) rkmsmc@gmail.com https://rkmsm.org/ **COURSE COORDINATOR** Dr. Satyajit Kar 63 +919433111118

#### SAMPLE BROCHURE



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		Cou	rse Contents
Course Duration 35 hours	Course Learning Outcomes	5 Hours	Basic Knowledge of Low cost no cost Teaching Aids. Also their Care and maintenance.
	By the end of this session students will be able to • Develop their	5 Hours	Development of some primary Science & Mathematics Low cost no cost Teaching Aids.
	understanding of Low cost no cost Teaching Aids. • Develop some Low cost no	5 Hours	Development of Tripod stand, Environmental Game.
90 m	<ul><li>cost Teaching Aids.</li><li>Use Low cost no cost</li></ul>	5 Hours	Development of Simple microscope, Simple Abacus
Date 20 February to 3	Teaching Aids in classrooms efficiently.	5 Hours	Development of Various Mathematical models.
April, 2023	<ul> <li>Trained students in preparing various improvised Teaching</li> </ul>	5 Hours	Exploration of sound apparatus, sound kit, reflection of sound apparatus.
Classes will be conducted via Online/Offline Blended Mode)	Aids.	5 Hours	Development of light source for optics experiments, pinhole camera, model of Telescope, periscope, Light reflection box,



On the date of Certificate distribution



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## 4. Capability to develop a seminar paper and a research paper; understand/ appreciate the difference between the two

At RKM Sikshanamandira, students are equipped with the capability to develop both seminar papers and research papers, understanding and appreciating the distinction between the two. A seminar paper, being shorter, focuses on presenting existing knowledge and concepts pertaining to a specific subject, showcasing the student's grasp of the topic. It serves to inform and educate the audience. Conversely, a research paper requires original research, encompassing data collection, analysis, and drawing conclusions to contribute novel insights to the field of study. Its purpose is to advance knowledge and address gaps in existing literature.

At RKM Sikshanamandira, students are guided through the rigorous academic writing process and taught the importance of proper referencing. The institution emphasises honing critical thinking skills, enabling students to delve into academic exploration effectively. Through this comprehensive approach, students are prepared to excel in both seminar presentations and research endeavours, fostering a holistic development of their academic capabilities.

### Self- study course on Advanced Research Methodology

Course Code: ARM/08/22-23

- Course Provider: Ramakrishna Mission Sikshanamandira
- Course Coordinator: Dr. Abhijit Guha
- Name of the Resource Persons: Dr. Abhijit Guha, Dr. Anujit Patra

Mode: offline

Course Duration: 16 February 2023 to 01 April 2023

Contact Hours: Every Saturday and Sunday from 2:00 p.m. to 5:00 p.m, for a total of 35 Hours

Total Number of students Enrolled: 30

Total Number of Students Completed: 28

Course Fee: NIL

#### **Brief Descriptions:**

The Advanced Research Methodology course (Course Code: ARM/08/22-23) was conducted by Ramakrishna Mission Sikshanamandira, with Dr. Abhijit Guha serving as the Course Coordinator. The course aimed to provide participants with in-depth knowledge and skills in research methodology to enhance their research capabilities. The resource persons for the course were Dr. Abhijit Guha and Dr. Anujit Patra. The course was conducted offline, allowing participants to engage in interactive sessions and hands-on learning. The course spanned from 16 February 2023 to 01 April 2023, with contact hours scheduled every Saturday and Sunday from 2:00 p.m. to 5:00 p.m. This weekend schedule allowed participants to dedicate focused time to the course without



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interfering with their weekday commitments. The course had a total duration of 35 hours, providing ample time for comprehensive coverage of advanced research methodology topics. A total of 30 students enrolled in the Advanced Research Methodology course, indicating their interest and recognition of the importance of research skills in their respective fields. Out of the enrolled students, 28 successfully completed the course, demonstrating their commitment to acquiring advanced research knowledge and skills. The course covered various aspects of research methodology, including research design, data collection methods, statistical analysis, and interpretation of research findings. The resource persons, Dr. Abhijit Guha and Dr. Anujit Patra, with their expertise and research experience, guided the participants in understanding and applying advanced research concepts and techniques. Participants were exposed to both theoretical frameworks and practical applications through case studies and hands-on exercises. They were trained in selecting appropriate research methods, designing research studies, and analyzing data using statistical software. The course also emphasised ethical considerations in research and the effective presentation of research findings. The course fee for the Advanced Research Methodology course was waived (NIL course fee), reflecting Ramakrishna Mission Sikshanamandira's commitment to promoting research skills and knowledge without financial barriers. In conclusion, the Advanced Research Methodology course organised by Ramakrishna Mission Sikshanamandira, under the coordination of Dr. Abhijit Guha, provided participants with advanced research skills and knowledge. The course equipped individuals with the necessary tools and techniques to undertake high-quality research in their respective fields. The high completion rate among the participants indicates the course's effectiveness in meeting the needs of individuals seeking to enhance their research capabilities.



#### Sample certificate



### 5. E-content development

### **Topic:Educational Technology and ICT**

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**Speaker:** Dr. Satyajit Kar (Associate professor, Ramakrishna Mission Sikshanamandira) **Date:** 14.03.2023 **Duration:** 18 minutes

Brief Description: Dr. Satyajit Kar, an Associate Professor at Ramakrishna Mission Sikshanamandira, delivered a lecture on the topic "Educational Technology and ICT." The lecture took place on 14th March 2022 and had a duration of approximately 18 minutes. During the lecture. Dr. Kar focused on the role of educational technology and information and communication technology (ICT) in the field of education. He highlighted the various ways in which technology can enhance teaching and learning experiences, making them more engaging, interactive, and effective. Dr. Kar discussed different forms of educational technology, including multimedia presentations, online platforms, educational apps, and virtual reality. He explained how these tools can be used to deliver content, facilitate student-centred learning, and provide opportunities for personalised instruction. Furthermore, Dr. Kar emphasised the importance of integrating ICT into the curriculum to prepare students for the digital age. He discussed the benefits of using ICT tools for collaborative learning, information retrieval, and communication. Throughout the lecture, Dr. Kar provided examples of successful implementation of educational technology and ICT in educational settings, showcasing their potential to transform the learning environment. In conclusion, Dr. Satyajit Kar's lecture on educational technology and ICT offered valuable insights into the integration of technology in education. The lecture highlighted the diverse range of educational tools and platforms available and emphasised their potential to enhance teaching and learning experiences. Attendees gained a deeper understanding of the benefits of incorporating ICT in the curriculum and the importance of preparing students for a technology-driven world.



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#### **E-Content Development by Students**

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### 6. Online assessment of learning

The performance of B.Ed. and M.Ed. students are measured in Google Classroom Platform during both even and odd semesters. The study focused on task submissions, and the findings are encouraging. An impressive 95% of students consistently submitted their assignments on time, demonstrating their commitment to online learning. Despite potential challenges, such as the pandemic, students showcased remarkable dedication to meeting academic responsibilities. Google Classroom's intuitive interface and seamless integration facilitated timely submissions, fostering an effective virtual learning environment. As digital education becomes increasingly prevalent, Google Classroom proves to be an invaluable tool for enhancing student engagement and academic success in B.Ed. and M.Ed. programs. Continued support and utilisation of this platform will further optimise the learning experience for these students.

Below are screenshots of student assignments submitted to some lecturers' emails:



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#### Practicum Submission Course 133: Integration of Advanced Technology

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#### Practicum Submission Course 233: Educational Technology and ICT

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The guidance and counselling cell at Ramakrishna Mission Sikshanamandira plays a pivotal role in creating a supportive and nurturing environment for students pursuing the PGDGC course. The program has received positive feedback from participants, who have expressed their appreciation for the valuable insights gained and the transformative impact it has had on their professional growth.

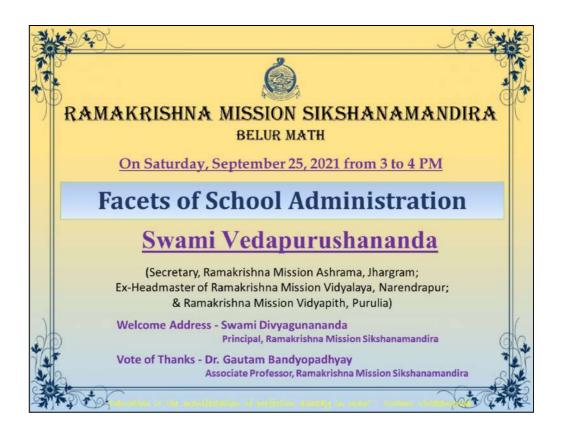
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In the current year, the PGDGC course began on 03.10.2021, and the results have been published on 26.09.2022. A total of 16 students have enrolled in this course.

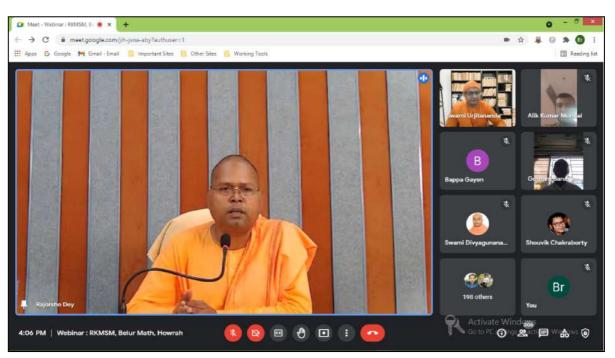
### Webinar: Facets of School Administration

A webinar titled "Facets of School Administration" was organised on 25th September 2021. The event was coordinated by Swami Urjitananda. The esteemed speaker was Rev. Swami Vedapurushanandaji Maharaj, Secretary of Ramakrishna Mission Ashrama in Jhargram and former Headmaster of Ramakrishna Mission Vidyalaya in Narendrapur and Ramakrishna Mission Vidyapitha in Purulia. The webinar focused on various aspects of school administration. A total of 215 students actively participated in the webinar, gaining insights into effective management strategies, leadership skills, and best practices in school administration. The webinar was conducted online through a virtual platform. Rev. Swami Vedapurushanandaji Maharaj shared his valuable experiences and knowledge in the field of school administration, providing guidance to the participants. The event successfully enhanced the understanding of school administration among the students, empowering them to become effective educational leaders in the future.





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Facets of School Administration (Webinar) on 25.09.2021

### Special lecture on Consciousness & Self

#### **Topic: Consciousness & Self**

(https://youtu.be/NLyYdyluI9I?list=PLOzbcezEjXMtv57b60rmWPkuNYC17jQ-o&t=3)

**Speaker:** Swami Sarvapriyanandaji Maharaj, Minister-in-Charge, Vedanta Society of New York and Former Principal of Sikshanamandira

**Date:** 15.03.2022 **Time:** 3 p.m. onwards

#### Brief Description:

The "Swami Ranganathananda Memorial Lecture" took place on 15th March 2022. The event, coordinated by Swami Urjitananda, featured Rev. Swami Sarvapriyananda Maharaj as the esteemed speaker. The lecture, titled "Consciousness and Self," delved into profound topics of consciousness and self-realisation. Rev. Swami Sarvapriyananda, Minister-in-Charge of the Vedanta Society of New York and former Principal of RKMSM, delivered an insightful talk. The event saw the enthusiastic participation of 150 students who engaged in thought-provoking discussions. The recorded lecture can be accessed via the YouTube link: https://youtu.be/NLyYdyluI9I. The memorial lecture successfully honoured the legacy of Swami Ranganathananda and provided students with a valuable opportunity to deepen their understanding of consciousness and self-awareness.



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Special lecture on Consciousness & Self on 15.03.2022

## 2. Skill enhancement in academic, technical and organisational aspects

Ramakrishna Mission Sikshanamandira offers a range of value-added courses and self-study programs aimed at enhancing skills and knowledge in various domains. These courses include "Skill Enhancement in Academic, Technical, and Organisational Aspects through Internship in Schools," "Value-added Course on Data Analysis through MS-Excel," "Value-added Course on Low Cost No Cost Teaching Aids," "Self-Study Course on Effective Time Management," "Self-Study Course on Creative Thinking and Innovation," "Advanced Research Methodology," "Advanced Life Skills Training," "Advanced Environmental Studies," and "Advanced Child Development and Pedagogy."

These programs provide valuable opportunities for individuals to acquire specialised skills and expertise in their respective fields. Participants in the internship program gain practical experience in academic, technical, and organisational aspects through hands-on work in schools. The data analysis course equips learners with proficiency in using MS-Excel for statistical analysis and data interpretation.

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The advanced research methodology course equips participants with advanced research skills and techniques. The advanced life skills training program aims to develop essential skills for personal and professional success. The advanced environmental studies course focuses on promoting environmental awareness and sustainable practices.

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These courses and programs at Ramakrishna Mission Sikshanamandira offer a comprehensive platform for skill development, knowledge enhancement, and professional growth. Participants are equipped with valuable tools and insights that contribute to their overall competence and effectiveness in their respective fields.

### **Internship in Schools**

School Internship Program organised by Ramakrishna Mission Sikshanamandira is attended by teacher trainees every year in schools. Teacher trainees go to school and do various academic, cultural, and administrative activities. Mentor Teachers increase their competency in these subjects in advance which helps them to manage these functions properly by going to school. The teacher Educators frequently go to the schools to observe all these activities and give necessary advice. Also mentor Teachers of our college give them the necessary advice to work with the relevant environment. Nature of internee engagement during internship consists of a) Classroom teaching, b) Mentoring, c) Time-table preparation, d) Student counselling, e) Assessment of student learning – home assignments & tests, f) Organising academic and cultural events, g) Maintaining documents, h) Preparation of progress reports. At the end of the school internship programme there is a probation of final teaching. During the period of internship all these activities performed by the teacher trainees are monitored by the mentor teachers as well as the Headmaster or personnel on the charge in the internship schools. In this internship period teacher trainees should write an internship report which claims their engagements in those aforesaid schools related activities.

This year the Internship Program is running for 16 Weeks, from 01-09-2021 to 30-11-2021 and from 21-3-2022 to 21-5-2022.



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2nd phase Internship of B.Ed. 4 the sessio	th semester (2nd year) students for on 2020-22.
t is hereby notified to all the B.Ed. 2n	d Year students for the session 2020- 22
hat 2nd phase school internship will c	ommence on and from 21st March , 2022
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	<ul> <li>Swami Vivekananda</li> </ul>

#### **School Internship Notice to trainees**

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Trainees are engaged in taking classes as a part of academic aspects



Trainees are engaged in preparatory works for the exam as a part of organisational aspects

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### Value Added course on: Low Cost No Cost Teaching Aids

Course Code: LCNCTA/07/21-22

Course Coordinator: Dr. Satyajit Kar

Name of the Resource Persons: Dr. Satyajit Kar, Sri Hitasish Bhowmik

Course duration: 22 February 2022 to 05 April 2022

Contact Hours: Every Saturday and Sunday from 2:00 p.m. to 4:30 p.m., for a total of 35 hrs.

Mode: offline

**Total Number of Students Enrolled:** 18

**Total Number of Students Completed:** 16

Course Fee: NIL

#### **Brief Descriptions:**

To begin with the course report, on behalf of the organisers Ramakrishna Mission Sikshanamandira, the Coordinator of the said Course Dr. Satyajit Kar gave welcome notes on the aforesaid course. After that the principal of Ramakrishna Mission Sikshanamandira, revered Swami (Dr.) divyagunananda Maharaj welcomed all the participants of the course. This course was designed to initiate the idea among the trainees of Ramakrishna Mission Sikshanamandira in order to cultivate the ideas of various low cost and no cost teaching Aids involved in the teaching of Science and Mathematics. In the auspicious presence of revered Swami(Dr.) Tattwasarananda Maharaj, Dr. Satyajit Kar the coordinator of the said course welcomed all the participants of this course. The exhibition along with the lectures of a variety of distinguished resource persons inspired the trainees. One of the major objectives of this certificate course is to make our students interested in Various low cost no cost teaching Aids. After completion of the aforesaid course it can be said that the course objectives become fulfilled in this regard. The length of the course was 35 hours. Last date of enrolment for the course was 21 February, 2022. The course was conducted Every Saturday and Sunday from 2:00 p.m. to 4:30 p.m. (22 February 2022 to 05 April 2022) with 18 enrolled students. A total of 16 students completed the course successfully and received the participation certificate on 8 April, 2022.



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#### SAMPLE BROCHURE

#### **Course Learning Course Duration** Basic Knowledge of Low cost Outcomes no cost Teaching Aids, Also their Care and maintenance. Week 1 35 hours By the end of this session Development of some students will be able to primary Science & athematics Low cost no Week 2 · Develop their cost Teaching Aids. understanding of Low cost Development of Tripod stand, Environmental Gan no cost Teaching Aids. Week 3 · Develop some Low cost no Development of Simple cost Teaching Aids. Week 4 scope, Simple Abacu · Use Low cost no cost Teaching Aids in Development of Various Mathematical models. Date Week 5 classrooms efficiently. 22 February to 5 · Trained students in Exploration of sound apparatus, sound kit, reflection of sound April, 2022 Week 6 preparing various apparatus. improvised Teaching (Classes will be Aids. Development of light source conducted via for optics experiment **Online/Offline** Week 7 ihole camera, model of Blended Mode) Telescope, periscope, Light reflection box.



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#### Value Added course on: Data Analysis through MS-Excel

Course Code: DAMSE/08/21-22

Course Coordinator: Dr. Abhijit Guha

Name of the Resource Persons: Dr. Abhijit Guha, Dr. Anujit Patra

Course duration: 18 April 2022 to 06 June 2022

Contact Hours: Every Saturday and Sunday from 2:00 p.m. to 4:30 p.m., for a total of 35 hrs.

Mode: offline

Total Number of Students Enrolled: 41

**Total Number of Students Completed: 36** 

Course Fee: NIL

#### **Brief Descriptions:**

To begin with the course report, on behalf of the organisers Ramakrishna Mission Sikshanamandira, the Coordinator of the said Course Dr. Abhijit Guha gave welcome notes on the aforesaid course. After that the principal of Ramakrishna Mission Sikshanamandira, revered Swami (Dr.) Divyagunananda Maharaj welcomed all the participants of the course. This course was designed to build basic computer learning skills and data processing techniques in social science research of the trainees of Ramakrishna Mission Sikshanamandira. In the auspicious presence of revered Swami(Dr.) Tattwasarananda Maharaj, Dr. Abhijit Guha the coordinator of the said course welcomed all the participants of this course. The demonstrations along with the lectures of a variety of distinguished resource persons inspired the trainees. One of the major objectives of this certificate course is to make our students interested in Social science research. After completion of the aforesaid course was 35 hours. Last date of enrolment for the course was 17th April, 2022. The course was conducted Every Saturday and Sunday from 2:00 p.m. to 4:30 p.m. (18 April 2022 to 06 June 2022) with 41 enrolled students. A total of 36 students completed the course successfully and received the participation certificate on 10 June 2022.



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#### BROCHURE



#### Course Duration 35 hours



#### Date 18 April to 6 June, 2022

(CLASSES WILL BE CONDUCTED VIA ONLINE/OFFLINE BLENDED MODE)

#### Course Learning Outcomes

By the end of this session students will be able to

- Basic idea of MS-Excel through readily available software (Hands on Experience )
- Master Excel from basic to advanced level.
- Build Excel formulas to analyze text, fields, values and arrays.
- Conditional Formatting
   & formula Auditing.
- Statistical Analysis for Research Interpretations.

#### **Course Contents**

Week 1	Basic Knowledge of MS-Excel through readily available software.
Week 2	Data Tabulation & preparation of data for analysis through MS-Excel.
Week 3	Descriptive statistical analysis viz Mean, SD (Standard Deviation), Variance, kurtosis, skewness etc.
Week 4	Formation of Bar diagram, Pie charts etc.
Week 5	Formation of Histogram, frequency polygon etc.
Week 6	Inferential Statistics by Data Analysis Tool pack viz t-test, Correlation.
Week7	Inferential Statistics by Data Analysis Tool pack viz One way Anova and Mathematical Equations.



### 3. Communicating with persons of different disabilities: Braille, Sign language and Speech training

### **10-Day National Level Workshop: "Skill Development on Indian Sign Language Interpretation"**

A 10-day national level workshop titled "Skill Development on Indian Sign Language Interpretation" was conducted from 26th to 27th March 2022, and on 2nd, 3rd, 9th, 10th, 17th, 23rd, 24th, and 30th April 2022. The workshop was sponsored by RUSA 2.0 (Comp 8). Brahmachari Vinayachaitanya and Prof. Russell Al Farabi served as the coordinators for the workshop. The objective of the workshop was to enhance participants' skills in Indian Sign Language interpretation. The workshop sessions focused on teaching sign language vocabulary, grammar, and conversational skills. The participants had the opportunity to engage in interactive activities, role-plays, and discussions to practise and refine their signing abilities. The workshop received extensive support and participation. The workshop successfully contributed to the development and promotion of Indian Sign Language interpretation skills among the participants.



Inauguration of Workshop: "Skill Development on Indian Sign Language Interpretation" on 26.3.2022

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"Skill Development on Indian Sign Language Interpretation" workshop for faculty Development on 23.04.2022



"Skill Development on Indian Sign Language Interpretation" workshop for faculty Development on 30.04.2022

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Sample Filled-in Feedback sheet for the participant of the workshop

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# 4. Capability to develop a seminar paper and a research paper; understand/ appreciate the difference between the two

At RKM Sikshanamandira, students are equipped with the capability to develop both seminar papers and research papers, understanding and appreciating the distinction between the two. A seminar paper, being shorter, focuses on presenting existing knowledge and concepts pertaining to a specific subject, showcasing the student's grasp of the topic. It serves to inform and educate the audience. Conversely, a research paper requires original research, encompassing data collection, analysis, and drawing conclusions to contribute novel insights to the field of study. Its purpose is to advance knowledge and address gaps in existing literature.

At RKM Sikshanamandira, students are guided through the rigorous academic writing process and taught the importance of proper referencing. The institution emphasises honing critical thinking skills, enabling students to delve into academic exploration effectively. Through this comprehensive approach, students are prepared to excel in both seminar presentations and research endeavours, fostering a holistic development of their academic capabilities.

### Self- study course on Advanced Research Methodology

#### Course Name: Advanced Research Methodology

Course Code: **ARM/08/21-22** Course Provider: **Ramakrishna Mission Sikshanamandira** Course Coordinator: **Dr. Abhijit Guha** Name of the Resource Persons: Dr. Abhijit Guha, Dr. Anujit Patra Mode: offline Course Duration: 18 February 2022 to 03 April 2022 Contact Hours: Every Saturday and Sunday from 2:00 p.m. to 5:00 p.m, for a total of 35 Hours Total Number of students Enrolled: 32 Total Number of Students Completed: 27

Course Fee: NIL

#### **Brief Descriptions:**

The Advanced Research Methodology course (Course Code: ARM/08/21-22) was conducted by Ramakrishna Mission Sikshanamandira, with Dr. Abhijit Guha serving as the Course Coordinator. The course aimed to provide participants with in-depth knowledge and skills in research methodology to enhance their research capabilities. The resource persons for the course were Dr. Abhijit Guha and Dr. Anujit Patra. The course was conducted offline, allowing participants to engage in interactive sessions and hands-on learning. The course spanned from 18 February 2022



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to 03 April 2022, with contact hours scheduled every Saturday and Sunday from 2:00 p.m. to 5:00 p.m. This weekend schedule allowed participants to dedicate focused time to the course without interfering with their weekday commitments. The course had a total duration of 35 hours, providing ample time for comprehensive coverage of advanced research methodology topics. A total of 32 students enrolled in the Advanced Research Methodology course, indicating their interest and recognition of the importance of research skills in their respective fields. Out of the enrolled students, 27 successfully completed the course, demonstrating their commitment to acquiring advanced research knowledge and skills. The course covered various aspects of research methodology, including research design, data collection methods, statistical analysis, and interpretation of research findings. The resource persons, Dr. Abhijit Guha and Dr. Anujit Patra, with their expertise and research experience, guided the participants in understanding and applying advanced research concepts and techniques. Participants were exposed to both theoretical frameworks and practical applications through case studies and hands-on exercises. They were trained in selecting appropriate research methods, designing research studies, and analysing data using statistical software. The course also emphasised ethical considerations in research and the effective presentation of research findings. The course fee for the Advanced Research Methodology course was waived (NIL course fee), reflecting Ramakrishna Mission Sikshanamandira's commitment to promoting research skills and knowledge without financial barriers. In conclusion, the Advanced Research Methodology course organised by Ramakrishna Mission Sikshanamandira, under the coordination of Dr. Abhijit Guha, provided participants with advanced research skills and knowledge. The course equipped individuals with the necessary tools and techniques to undertake high-quality research in their respective fields. The high completion rate among the participants indicates the course's effectiveness in meeting the needs of individuals seeking to enhance their research capabilities.

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9	(A NCTE recognized Govt. Aided (WB) Autonomous Post-Graduate College under University of Calcutta)	
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	SELF STUDY COURSE ON	
	Advanced Research Methodology	
	COURSE COMPLETION CERTIFICATE	
	This is to certify that KOUSIK HAZRA, B.EdII Year, Session:	
	2021-22 has successfully completed the Self-Study Course	
	(Duration: 35 hours) on 'Advanced Research Methodology' conducted at Ramakrishna Mission Sikshanamandira from 18	
	February 2022 to 3 April 2022.	2
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	COURSE COORDINATOR Date: 8 April 2022 PRINCIPAL/VICE PRINCIPAL	/

#### Sample certificate



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### 5. E-content development

Ramakrishna Mission Sikshanamandira is dedicated to promoting innovative and engaging teaching practices through the development of e-content. The institution recognizes the importance of digital resources in modern education and encourages its teachers to create high-quality e-content for instructional purposes. Additionally, the students themselves are motivated to participate in e-content development, fostering a collaborative and student-centred learning environment. This approach empowers both teachers and students to leverage technology effectively and create interactive and visually appealing educational materials. Through their commitment to e-content development, Ramakrishna Mission Sikshanamandira ensures that learners have access to dynamic and engaging resources that enhance their educational experiences.

### Webinar: Cyber Security – A Mild Introduction

A webinar on "Cyber Security - A Mild Introduction" was conducted on 24th July 2021. The event was organised by Swami Urjitananda and featured Dr. Swapnoneel Roy, an Associate Professor from the School of Computing at the University of North Florida, United States of America, as the speaker. The webinar aimed to provide participants with a basic understanding of cyber security. Dr. Roy shared insights on various aspects of cyber security, including the importance of protecting personal information, securing online activities, and staying safe in the digital world. The session was informative and engaging, with active participation from 110 students. The recorded webinar is available on YouTube through the provided link,<u>https://www.youtube.com/watch?v=8SsNwo2g0Lc</u> allowing a wider audience to benefit from the valuable knowledge shared during the event. The webinar played a crucial role in raising awareness about cyber security and equipping participants with essential information to safeguard themselves online.



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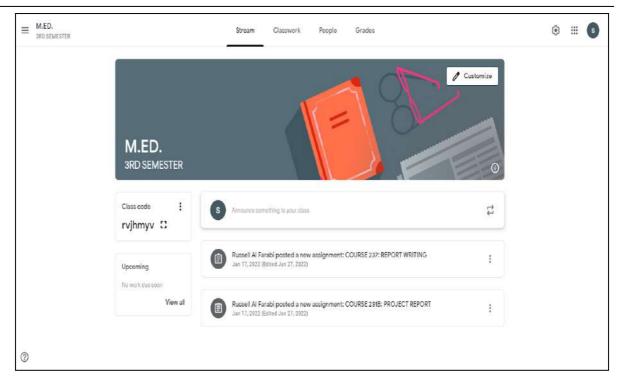
### 6. Online assessment of learning

The performance of B.Ed. and M.Ed. students are measured in Google Classroom Platform during both even and odd semesters. The study focused on task submissions, and the findings are encouraging. An impressive 95% of students consistently submitted their assignments on time, demonstrating their commitment to online learning. Despite potential challenges, such as the pandemic, students showcased remarkable dedication to meeting academic responsibilities. Google Classroom's intuitive interface and seamless integration facilitated timely submissions, fostering an effective virtual learning environment. As digital education becomes increasingly prevalent, Google Classroom proves to be an invaluable tool for enhancing student engagement and academic success in B.Ed. and M.Ed. programs. Continued support and utilisation of this platform will further optimise the learning experience for these students.

Below are the screenshots of the assignments given in the google classroom of some lecturers:



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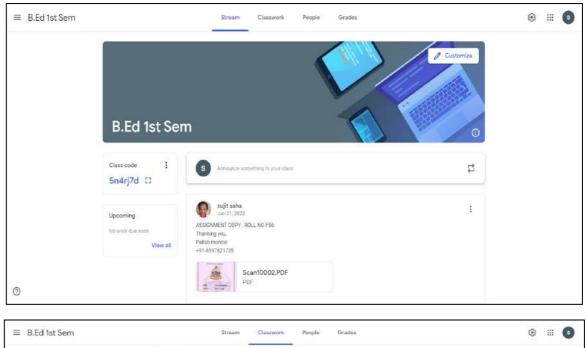


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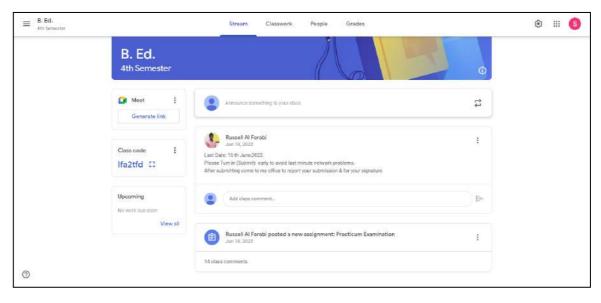
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# **Initiatives During 2020-21**

# 1. Career and Personal Counseling Value added course on PGDGC

Ramakrishna Mission Sikshanamandira hosts a guidance and counselling cell that offers a valuable value-added course on Post Graduate Diploma in Guidance and Counselling (PGDGC). This course has been a recurring program at the institution, drawing participants every year. Br. Suhas, an esteemed member, serves as the coordinator of this course.

The PGDGC program was initiated at Ramakrishna Mission Sikshanamandira in 2013, and since then, it has provided students with comprehensive training in the field of guidance and counselling. The course aims to equip individuals with the necessary knowledge and skills to offer effective guidance and counselling services in various educational and professional settings.

Participants of the PGDGC course benefit from a well-structured curriculum that covers essential topics such as counselling theories, techniques, and ethics. Practical sessions, webinar, seminar and workshops are also conducted to provide hands-on experience in counselling practices.

The guidance and counselling cell at Ramakrishna Mission Sikshanamandira plays a pivotal role in creating a supportive and nurturing environment for students pursuing the PGDGC course. The program has received positive feedback from participants, who have expressed their appreciation for the valuable insights gained and the transformative impact it has had on their professional growth.

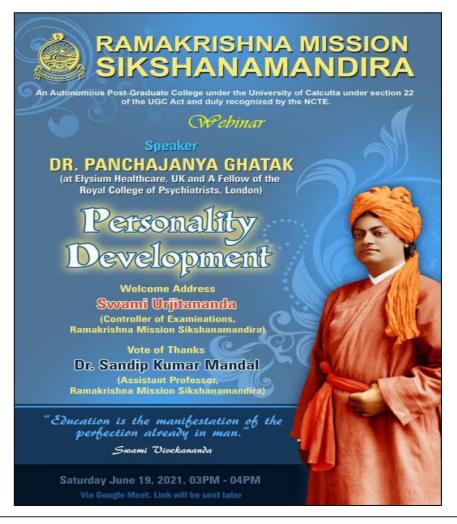
Overall, the PGDGC course offered by Ramakrishna Mission Sikshanamandira's guidance and counselling cell has become a significant and sought-after program since its inception in 2013. It continues to empower individuals with the necessary skills to excel in the field of guidance and counselling, contributing to the overall betterment of the educational and professional landscape.



In the current year, the PGDGC course began on 04.10.2020, and the results were published on 08.12.2021. A total of 10 students have enrolled in this course.

#### Webinar: Personality Development

On 19th June 2021, a webinar on "Personality Development" was organised under the coordination of Swami Urjitananda. The esteemed speaker for the event was Dr. Panchajanya Ghatak, a renowned psychiatrist and Fellow of the Royal College of Psychiatrists in London, currently working at Elysium Healthcare, UK. The webinar aimed to provide insights and strategies for personal growth and development. A total of 152 students actively participated in the webinar, indicating their interest in enhancing their personality traits. The session was conducted online and a recording of the webinar is available on YouTube via the provided link <a href="https://www.youtube.com/watch?v=tbcnKWU427M">https://www.youtube.com/watch?v=tbcnKWU427M</a> . The webinar served as a valuable platform for students to gain valuable knowledge and guidance to nurture their personality and achieve personal growth in various aspects of life.

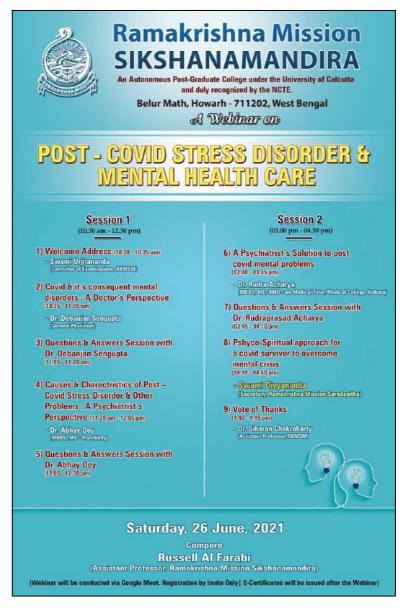




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#### Webinar: Post Covid Stress Disorder and Mental Healthcare

On 26th June 2021, a webinar titled "Post Covid Stress Disorder and Mental Healthcare" was organized by Swami Urjitananda. The webinar aimed to address the issue of post-Covid stress disorder and provide insights into mental healthcare. The speakers included Dr. Debanjan Sengupta, a General Physician, Dr. Abhay Kr. Dey, an MD-Psychiatry, Dr. Rudra Acharya, an RMO cum Medical Tutor at Medical College, Kolkata, and Sw. Divyanandaji Maharaj, the Secretary of Ramakrishna Mission Saradapitha. The webinar focused on understanding and managing the mental health challenges faced by individuals post-Covid. With 83 students participating, the event provided valuable information and guidance on mental healthcare in the context of the pandemic.





# 2. Skill enhancement in academic, technical and organisational aspects

Ramakrishna Mission Sikshanamandira offers a range of value-added courses and self-study programs aimed at enhancing skills and knowledge in various domains. These courses include "Skill Enhancement in Academic, Technical, and Organisational Aspects through Internship in Schools," "Value-added Course on Data Analysis through MS-Excel," "Value-added Course on Low Cost No Cost Teaching Aids," "Self-Study Course on Effective Time Management," "Self-Study Course on Creative Thinking and Innovation," "Advanced Research Methodology," "Advanced Life Skills Training," "Advanced Environmental Studies," and "Advanced Child Development and Pedagogy."

These programs provide valuable opportunities for individuals to acquire specialised skills and expertise in their respective fields. Participants in the internship program gain practical experience in academic, technical, and organisational aspects through hands-on work in schools. The data analysis course equips learners with proficiency in using MS-Excel for statistical analysis and data interpretation.

The value-added course on low cost no cost teaching aids focuses on innovative and economical teaching tools that can enhance classroom learning. The self-study courses on effective time management and creative thinking foster personal growth and professional development.

The advanced research methodology course equips participants with advanced research skills and techniques. The advanced life skills training program aims to develop essential skills for personal and professional success. The advanced environmental studies course focuses on promoting environmental awareness and sustainable practices.

Lastly, the advanced child development and pedagogy program delves into the intricacies of child psychology and effective teaching methodologies.

These courses and programs at Ramakrishna Mission Sikshanamandira offer a comprehensive platform for skill development, knowledge enhancement, and professional growth. Participants are equipped with valuable tools and insights that contribute to their overall competence and effectiveness in their respective fields.

#### **Internship in Schools**

School Internship Program organised by Ramakrishna Mission Sikshanamandira is attended by teacher trainees every year in schools. Teacher trainees go to school and do various academic,



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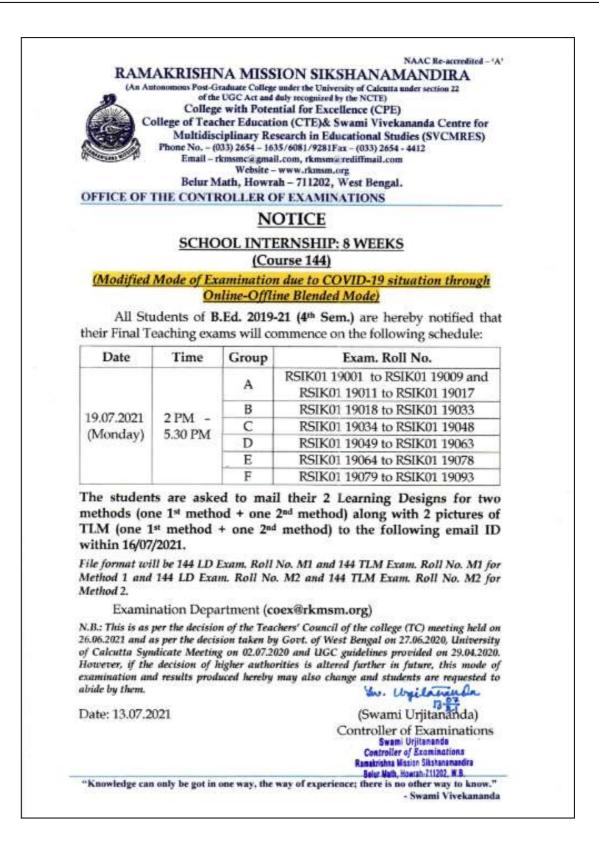
cultural, and administrative activities. Mentor Teachers increase their competency in these subjects in advance which helps them to manage these functions properly by going to school. The teacher Educators frequently go to the schools to observe all these activities and give necessary advice. Also mentor Teachers of our college give them the necessary advice to work with the relevant environment. Nature of internee engagement during internship consists of a) Classroom teaching, b) Mentoring, c) Time-table preparation, d) Student counselling, e) Assessment of student learning – home assignments & tests, f) Organising academic and cultural events, g) Maintaining documents, h) Preparation of progress reports. At the end of the school internship programme there is a probation of final teaching. During the period of internship all these activities performed by the teacher trainees are monitored by the mentor teachers as well as the Headmaster or personnel on the charge in the internship schools. In this internship period teacher trainees should write an internship report which claims their engagements in those aforesaid schools related activities.

This year the Internship Program is running for 8 Weeks, from 1.06.2021 to 19.07.2021.

ernship (via G	Activity           Participation as students in the M.Ed. 2 <sup>rd</sup> Semester Internship programme.           Performing Practice Teaching and Peer Group Observation in the M.Ed. 2 <sup>rd</sup> Semester Internship programme.           1 <sup>ed</sup> Part()           Performing Practice Teaching and Peer Group Observation in the B.Ed. 4th Semester Internship           Observation in the B.Ed. 4th Semester Internship
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#### Value Added course on: Low Cost No Cost Teaching Aids

Course Code: LCNCTA/07/20-21

Course Coordinator: Dr. Satyajit Kar

Name of the Resource Persons: Dr. Satyajit Kar, Sri Hitasish Bhowmik

Course duration: 20 February 2021 to 04 April 2021

Contact Hours: Every Saturday and Sunday from 2:00 p.m. to 4:30 p.m., for a total of 35 hrs.

Mode: offline

**Total Number of Students Enrolled: 33** 

**Total Number of Students Completed: 29** 

Course Fee: NIL

#### **Brief Descriptions:**

To begin with the course report, on behalf of the organisers Ramakrishna Mission Sikshanamandira, the Coordinator of the said Course Dr. Satyajit Kar gave welcome notes on the aforesaid course. After that the principal of Ramakrishna Mission Sikshanamandira, revered Swami (Dr.) Divyagunananda Maharaj welcomed all the participants of the course. This course was designed to initiate the idea among the trainees of Ramakrishna Mission Sikshanamandira in order to cultivate the ideas of various low cost and no cost teaching Aids involved in the teaching of Science and Mathematics. In the auspicious presence of revered Swami(Dr.) Tattwasarananda Maharaj, Dr. Satyajit Kar the coordinator of the said course welcomed all the participants of this course. The exhibition along with the lectures of a variety of distinguished resource persons inspired the trainees. One of the major objectives of this certificate course is to make our students interested in Various low cost no cost teaching Aids. After completion of the aforesaid course it can be said that the course objectives become fulfilled in this regard. The length of the course was 35 hours. Last date of enrolment for the course was 19 February, 2020. The course was conducted Every Saturday and Sunday from 2:00 p.m. to 4:30 p.m. (20 February 2021 to 04 April 2021) with 33 enrolled students. A total of 29 students completed the course successfully and received the participation certificate on 7 April, 2021.



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#### SAMPLE BROCHURE



		Cou	irse Contents
Course Duration 35 hours	Course Learning Outcomes	Week 1	Basic Knowledge of Low cost no cost Teaching Aids, Also their Care and maintenance.
	By the end of this session students will be able to • Develop their	Week 2	Development of some primary Science & Mathematics Low cost no cost Teaching Aids.
	understanding of Low cost no cost Teaching Aids. • Develop some Low cost no	Work 3	Development of Tripod stand, Environmental Game
	<ul> <li>October Some Low cost no cost Teaching Aids.</li> <li>Use Low cost no cost</li> </ul>	Week 4	Development of Simple microscope, Simple Abacus
Date	Teaching Aids in classrooms efficiently.	Week 5	Development of Various Mathematical models.
20 February to 4 April, 2021	<ul> <li>Trained students in preparing various improvised Teaching</li> </ul>	Week h	Exploration of sound apparatos, sound kit, reflection of sound apparatus,
(Classes will be conducted via Online/Offline Blended Mode)	Aids.	Week 7	Development of light sources for optics experiments, pinhole camera, model of Telescope, perfscope, Light reflection box.



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#### Value Added course on: Data Analysis through MS-Excel

Course Code: DAMSE/08/20-21

Course Coordinator: Dr. Abhijit Guha

Name of the Resource Persons: Dr. Abhijit Guha, Dr. Anujit Patra

Course duration: 17 April 2021 to 06 June 2021

Contact Hours: Every Saturday and Sunday from 2:00 p.m. to 4:30 p.m., for a total of 35 hrs.

Mode: offline

**Total Number of Students Enrolled: 36** 

**Total Number of Students Completed: 32** 

Course Fee: NIL

#### **Brief Descriptions:**

To begin with the course report, on behalf of the organisers Ramakrishna Mission Sikshanamandira, the Coordinator of the said Course Dr. Abhijit Guha gave welcome notes on the aforesaid course. After that the principal of Ramakrishna Mission Sikshanamandira, revered Swami (Dr.) Divyagunananda Maharaj welcomed all the participants of the course. This course was designed to build basic computer learning skills and data processing techniques in social science research of the trainees of Ramakrishna Mission Sikshanamandira. In the auspicious presence of revered Swami(Dr.) Tattwasarananda Maharaj, Dr. Abhijit Guha the coordinator of the said course welcomed all the participants of this course. The demonstrations along with the lectures of a variety of distinguished resource persons inspired the trainees. One of the major objectives of this certificate course is to make our students interested in Social science research. After completion of the aforesaid course was 35 hours. Last date of enrolment for the course was 16th April, 2021. The course was conducted Every Saturday and Sunday from 2:00 p.m. to 4:30 p.m. (17 April 2021 to 06 June 2021) with 36 enrolled students. A total of 32 students completed the course successfully and received the participation certificate on 09 June 2021.



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#### SAMPLE BROCHURE



#### Course Duration 35 hours



Date 17 April to 6 June, 2021

#### Course Learning Outcomes

By the end of this session students will be able to

- Basic idea of MS-Excel through readily available software (Hands on Experience)
- Master Excel from basic to advanced level.
- Build Excel formulas to analyze text, fields, values and arrays.
- Conditional Formatting & formula Auditing.
- Statistical Analysis for Research Interpretations.

#### **Course Contents**

Week I	Basic Knowledge of M8-Excel through readily available software.	
Week 2	Data Tabulation & preparation of data for analysis through MS-Excel.	
Week 3	Descriptive statistical analysis viz Mean, SD (Standard Deviation), Variance, kurtosis, skewness etc.	
Week 4	Formation of Bar diagram, Pie charts etc.	
Week 5	Formation of Histogram, frequency polygon etc.	
Week 6	Inferential Statistics by Data Analysis Tool pack viz t-test, Correlation.	
Week 7	Inferential Statistics by Data Analysis Tool pack viz One way Anova and Mathematical Equations.	

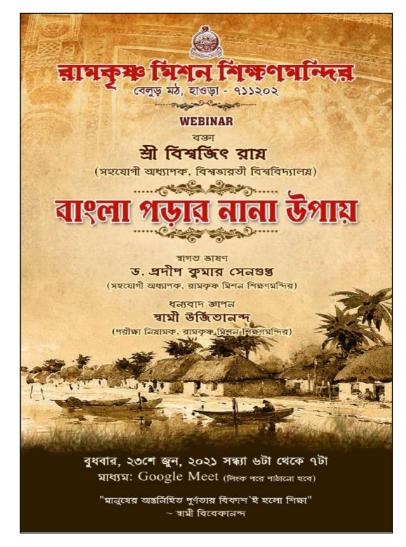


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### 3. Communicating with persons of different disabilities: Braille, Sign language and Speech training

#### Webinar: Bangla Porar Nana Upaay

A webinar titled "Bangla Porar Nana Upaay" was conducted on 23rd June 2021, with coordination by Swami Urjitananda. The objective of the webinar was to explore various techniques and strategies for learning the Bengali language effectively. The esteemed speaker for the event was Sri Biswajit Ray, an Associate Professor from Visva Bharati University. A total of 122 students actively participated in the webinar, showing their keen interest in enhancing their Bengali language skills. The webinar was conducted online via the platform Meet. The webinar proved to be a valuable platform for students to gain insights into innovative methods for learning Bengali and further develop their language proficiency.





# 4. Capability to develop a seminar paper and a research paper; understand/ appreciate the difference between the two

At RKM Sikshanamandira, students are equipped with the capability to develop both seminar papers and research papers, understanding and appreciating the distinction between the two. A seminar paper, being shorter, focuses on presenting existing knowledge and concepts pertaining to a specific subject, showcasing the student's grasp of the topic. It serves to inform and educate the audience. Conversely, a research paper requires original research, encompassing data collection, analysis, and drawing conclusions to contribute novel insights to the field of study. Its purpose is to advance knowledge and address gaps in existing literature.

At RKM Sikshanamandira, students are guided through the rigorous academic writing process and taught the importance of proper referencing. The institution emphasises honing critical thinking skills, enabling students to delve into academic exploration effectively. Through this comprehensive approach, students are prepared to excel in both seminar presentations and research endeavours, fostering a holistic development of their academic capabilities.

#### Self studies Course Name on Advanced Research Methodology

Course Code: ARM/08/20-21

Course Provider: **Ramakrishna Mission Sikshanamandira** Course Coordinator: **Dr. Abhijit Guha** Name of the Resource Persons: Dr. Abhijit Guha, Dr. Anujit Patra Mode: offline Course Duration: 16 February 2021 to 01 April 2021 Contact Hours: Every Saturday and Sunday from 2:00 p.m. to 5:00 p.m, for a total of 35 Hours Total Number of students Enrolled: 24 Total Number of Students Completed: 21

Course Fee: NIL

#### **Brief Descriptions:**

The Advanced Research Methodology course (Course Code: ARM/08/20-21) was conducted by Ramakrishna Mission Sikshanamandira, with Dr. Abhijit Guha serving as the Course Coordinator. The course aimed to provide participants with in-depth knowledge and skills in research methodology to enhance their research capabilities. The resource persons for the course were Dr. Abhijit Guha and Dr. Anujit Patra. The course was conducted offline, allowing participants to engage in interactive sessions and hands-on learning. The course spanned from 16 February 2021 to 01 April 2021, with contact hours scheduled every Saturday and Sunday from 2:00 p.m. to 5:00



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p.m. This weekend schedule allowed participants to dedicate focused time to the course without interfering with their weekday commitments. The course had a total duration of 35 hours, providing ample time for comprehensive coverage of advanced research methodology topics. A total of 24 students enrolled in the Advanced Research Methodology course, indicating their interest and recognition of the importance of research skills in their respective fields. Out of the enrolled students, 21 successfully completed the course, demonstrating their commitment to acquiring advanced research knowledge and skills. The course covered various aspects of research methodology, including research design, data collection methods, statistical analysis, and interpretation of research findings. The resource persons, Dr. Abhijit Guha and Dr. Anujit Patra, with their expertise and research experience, guided the participants in understanding and applying advanced research concepts and techniques. Participants were exposed to both theoretical frameworks and practical applications through case studies and hands-on exercises. They were trained in selecting appropriate research methods, designing research studies, and analysing data using statistical software. The course also emphasised ethical considerations in research and the effective presentation of research findings. The course fee for the Advanced Research Methodology course was waived (NIL course fee), reflecting Ramakrishna Mission Sikshanamandira's commitment to promoting research skills and knowledge without financial barriers. In conclusion, the Advanced Research Methodology course organised by Ramakrishna Mission Sikshanamandira, under the coordination of Dr. Abhijit Guha, provided participants with advanced research skills and knowledge. The course equipped individuals with the necessary tools and techniques to undertake high-quality research in their respective fields. The high completion rate among the participants indicates the course's effectiveness in meeting the needs of individuals seeking to enhance their research capabilities.



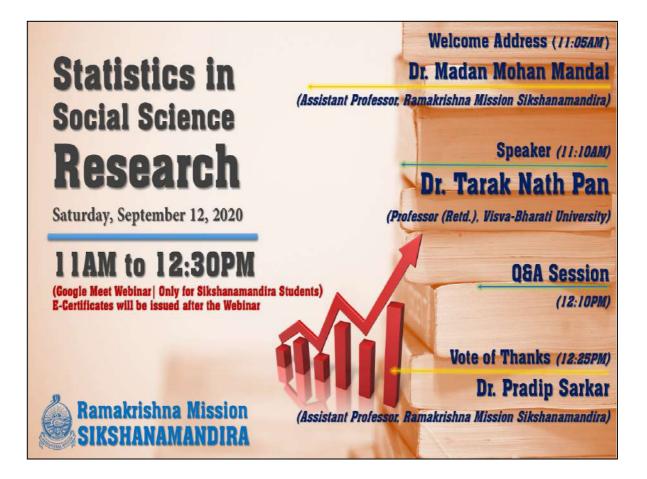
Sample certificate



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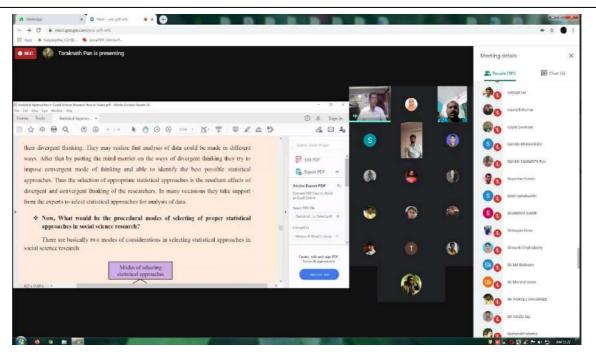
#### Webinar: Statistics in Social Science Research

On 12th September 2020, a webinar on "Statistics in Social Science Research" was organised. The event aimed to enhance participants' understanding of statistical techniques and their application in social science research. Dr. Tarak Nath Pan, Visiting Faculty, RKM Sikshanamandira & Ex. Professor of Visva Bharati University was invited as the speaker. Dr. Madan Mohan Mandal served as the coordinator of the webinar, ensuring a smooth and informative session. Dr. Pan covered various topics, including data collection, analysis, and interpretation using statistical tools. Participants had the opportunity to learn about the relevance of statistics in conducting rigorous and evidence-based research in the field of social sciences. The event provided a platform for researchers, scholars, and students to enhance their statistical skills and gain insights into the practical application of statistical methods in social science studies.





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#### 5. E-content development

Ramakrishna Mission Sikshanamandira is dedicated to promoting innovative and engaging teaching practices through the development of e-content. The institution recognizes the importance of digital resources in modern education and encourages its teachers to create high-quality e-content for instructional purposes. Additionally, the students themselves are motivated to participate in e-content development, fostering a collaborative and student-centred learning environment. This approach empowers both teachers and students to leverage technology effectively and create interactive and visually appealing educational materials. Through their commitment to e-content development, Ramakrishna Mission Sikshanamandira ensures that learners have access to dynamic and engaging resources that enhance their educational experiences.

#### Webinar: Digitalization in Indian Education System

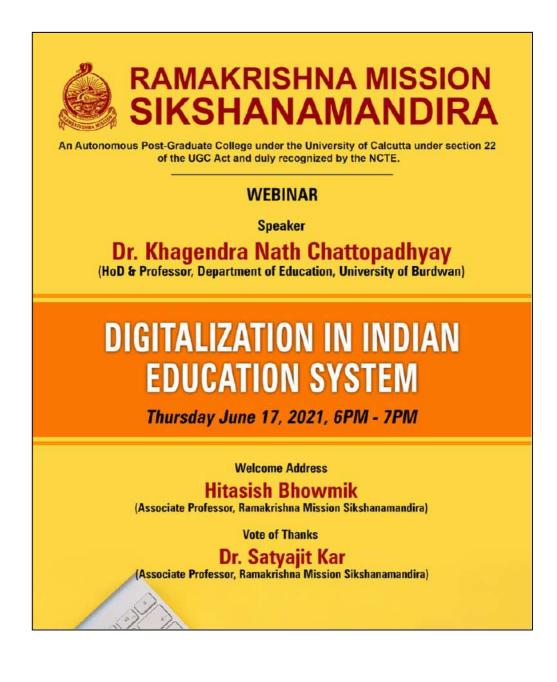
On 17th June 2021, a webinar titled "Digitalization in Indian Education System" was organised under the coordination of Swami Urjitananda. The webinar aimed to shed light on the role of digitalization in the Indian education system. The esteemed speaker for the event was Dr. Khagendra Nath Chattopadhyay, Head of the Department and Professor of Education at the University of Burdwan. A total of 112 students actively participated in the webinar, indicating their interest in exploring the impact and possibilities of digitalization in education. The webinar was conducted



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online, using the Meet platform, allowing for seamless interaction and knowledge sharing. It provided valuable insights into the potential of digital tools and technologies in transforming the education landscape in India.





# **Initiatives During 2019-20**

# 1. Career and Personal Counseling Value added course on PGDGC

Ramakrishna Mission Sikshanamandira hosts a guidance and counselling cell that offers a valuable value-added course on Post Graduate Diploma in Guidance and Counselling (PGDGC). This course has been a recurring program at the institution, drawing participants every year. Br. Suhas, an esteemed member, serves as the coordinator of this course.

The PGDGC program was initiated at Ramakrishna Mission Sikshanamandira in 2013, and since then, it has provided students with comprehensive training in the field of guidance and counselling. The course aims to equip individuals with the necessary knowledge and skills to offer effective guidance and counselling services in various educational and professional settings.

Participants of the PGDGC course benefit from a well-structured curriculum that covers essential topics such as counselling theories, techniques, and ethics. Practical sessions, webinar, seminar and workshops are also conducted to provide hands-on experience in counselling practices.

The guidance and counselling cell at Ramakrishna Mission Sikshanamandira plays a pivotal role in creating a supportive and nurturing environment for students pursuing the PGDGC course. The program has received positive feedback from participants, who have expressed their appreciation for the valuable insights gained and the transformative impact it has had on their professional growth.

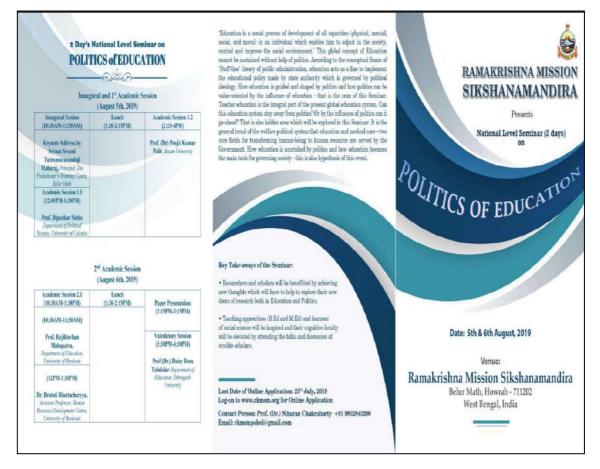
Overall, the PGDGC course offered by Ramakrishna Mission Sikshanamandira's guidance and counselling cell has become a significant and sought-after program since its inception in 2013. It continues to empower individuals with the necessary skills to excel in the field of guidance and counselling, contributing to the overall betterment of the educational and professional landscape.



In the current year, the PGDGC course began on 13.07.2019, and the results were published on 08.09.2020. A total of 5 students have enrolled in this course.

#### **2-Day National Seminar on Politics of Education**

The 2-Day National Seminar on "Politics of Education" was held on 5th and 6th August 2019. Organized by RUSA 2.0 (Comp 8), the seminar aimed to explore the intersection between politics and education. Dr. Siharan Chakrabarty served as the coordinator for the event. The seminar brought together experts, scholars, researchers, and educators to discuss and analyze the various political aspects impacting the education sector. Key topics covered included educational policies, funding, governance, curriculum development, and social inequalities in education. Participants engaged in meaningful discussions, presentations, and panel sessions, exchanging insights and perspectives on the politics of education. The seminar provided a platform for critical examination and dialogue, contributing to a deeper understanding of the complexities surrounding education within a political context. Participants gained valuable knowledge and insights into the challenges and opportunities associated with the intersection of politics and education.





# 2. Skill enhancement in academic, technical and organisational aspects

Ramakrishna Mission Sikshanamandira offers a range of value-added courses and self-study programs aimed at enhancing skills and knowledge in various domains. These courses include "Skill Enhancement in Academic, Technical, and Organisational Aspects through Internship in Schools," "Value-added Course on Data Analysis through MS-Excel," "Value-added Course on Low Cost No Cost Teaching Aids," "Self-Study Course on Effective Time Management," "Self-Study Course on Creative Thinking and Innovation," "Advanced Research Methodology," "Advanced Life Skills Training," "Advanced Environmental Studies," and "Advanced Child Development and Pedagogy."

These programs provide valuable opportunities for individuals to acquire specialised skills and expertise in their respective fields. Participants in the internship program gain practical experience in academic, technical, and organisational aspects through hands-on work in schools. The data analysis course equips learners with proficiency in using MS-Excel for statistical analysis and data interpretation.

The value-added course on low cost no cost teaching aids focuses on innovative and economical teaching tools that can enhance classroom learning. The self-study courses on effective time management and creative thinking foster personal growth and professional development.

The advanced research methodology course equips participants with advanced research skills and techniques. The advanced life skills training program aims to develop essential skills for personal and professional success. The advanced environmental studies course focuses on promoting environmental awareness and sustainable practices.

Lastly, the advanced child development and pedagogy program delves into the intricacies of child psychology and effective teaching methodologies.

These courses and programs at Ramakrishna Mission Sikshanamandira offer a comprehensive platform for skill development, knowledge enhancement, and professional growth. Participants are equipped with valuable tools and insights that contribute to their overall competence and effectiveness in their respective fields.



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#### Value Added course on: Low Cost No Cost Teaching Aids

Course Code: LCNCTA/07/19-20

Course Coordinator: Dr. Satyajit Kar

Name of the Resource Persons: Dr. Satyajit Kar, Sri Hitasish Bhowmik

Course duration: 22 February 2020 to 05 April 2020

Contact Hours: Every Saturday and Sunday from 2:00 p.m. to 4:30 p.m., for a total of 35 hrs.

Mode: offline

**Total Number of Students Enrolled: 25** 

**Total Number of Students Completed: 22** 

Course Fee: NIL

#### **Brief Descriptions:**

To begin with the course report, on behalf of the organisers Ramakrishna Mission Sikshanamandira, the Coordinator of the said Course Dr. Satyajit Kar gave welcome notes on the aforesaid course. After that the principal of Ramakrishna Mission Sikshanamandira, revered Swami (Dr.) Divyagunananda Maharaj welcomed all the participants of the course. This course was designed to initiate the idea among the trainees of Ramakrishna Mission Sikshanamandira in order to cultivate the ideas of various low cost and no cost teaching Aids involved in the teaching of Science and Mathematics. In the auspicious presence of revered Swami(Dr.) Tattwasarananda Maharaj, Dr. Satyajit Kar the coordinator of the said course welcomed all the participants of this course. The exhibition along with the lectures of a variety of distinguished resource persons inspired the trainees. One of the major objectives of this certificate course is to make our students interested in Various low cost no cost teaching Aids. After completion of the aforesaid course it can be said that the course objectives become fulfilled in this regard. The length of the course was 35 hours. Last date of enrolment for the course was 21 February, 2020. The course was conducted Every Saturday and Sunday from 2:00 p.m. to 4:30 p.m. (22 February 2020 to 05 April 2020) with 25 enrolled students. A total of 22 students completed the course successfully and received the participation certificate on 9 April, 2020.



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#### SAMPLE BROCHURE



Week 7

pinhole camera, model of Telescope, periscope, Light reflection box.



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#### Value Added course on: Data Analysis through MS-Excel

Course Code: DAMSE/08/19-20

Course Coordinator: Dr. Abhijit Guha

Name of the Resource Persons: Dr. Abhijit Guha, Dr. Anujit Patra

Course duration: 18 April 2020 to 06 June 2020

Contact Hours: Every Saturday and Sunday from 2:00 p.m. to 4:30 p.m.

Mode: offline

**Total Number of Students Enrolled: 38** 

**Total Number of Students Completed: 34** 

Course Fee: NIL

#### **Brief Descriptions:**

To begin with the course report, on behalf of the organisers Ramakrishna Mission Sikshanamandira, the Coordinator of the said Course Dr. Abhijit Guha gave welcome notes on the aforesaid course. After that the principal of Ramakrishna Mission Sikshanamandira, revered Swami (Dr.) Divyagunananda Maharaj welcomed all the participants of the course. This course was designed to build basic computer learning skills and data processing techniques in social science research of the trainees of Ramakrishna Mission Sikshanamandira. In the auspicious presence of revered Swami(Dr.) Tattwasarananda Maharaj, Dr. Abhijit Guha the coordinator of the said course welcomed all the participants of this course. The demonstrations along with the lectures of a variety of distinguished resource persons inspired the trainees. One of the major objectives of this certificate course is to make our students interested in Social science research. After completion of the aforesaid course was 35 hours. Last date of enrolment for the course was 17th April, 2020. The course was conducted Every Saturday and Sunday from 2:00 p.m. to 4:30 p.m. (18 April 2020 to 06 June 2020) with 38 enrolled students. A total of 34 students completed the course successfully and received the participation certificate on 10 June 2020.



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#### SAMPLE BROCHURE



#### Course Duration 35 hours



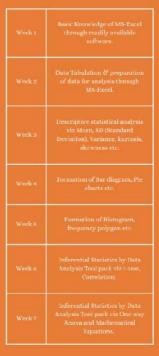
Date 18 April to 6 June, 2020

#### Course Learning Outcomes

By the end of this session students will be able to

- Basic idea of MS-Excel through readily available software (Hands on Experience)
- Master Excel from basic to advanced level.
- Build Excel formulas to analyze text, fields, values and arrays.
- Conditional Formatting & formula Auditing.
- Statistical Analysis for Research Interpretations

#### **Course Contents**

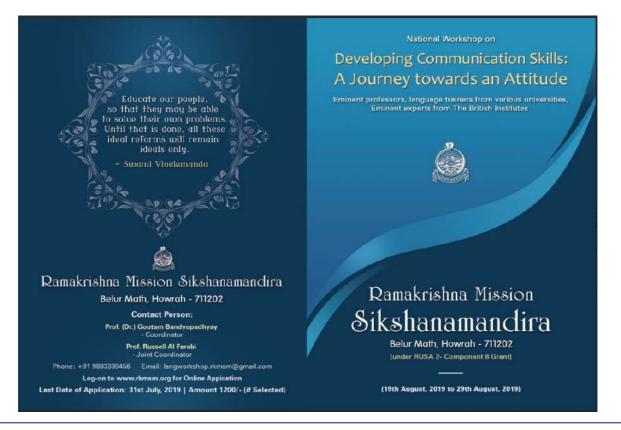




### 3. Communicating with persons of different disabilities: Braille, Sign language and Speech training

#### 9-Day National Workshop - Developing Communication Skills: A Journey towards an Attitude

The 9-Day National Workshop on "Developing Communication Skills: A Journey towards an Attitude" was held from 19th to 29th August 2019. The workshop aimed to enhance participants' communication skills and develop a positive attitude towards effective communication. It was organised by RUSA 2.0 (Comp 8) and collaborated with The British Institute. The workshop was coordinated by Dr. Gautam Bandyopadhyay and Prof. Russell Al Farabi. Participants included students, professionals, and individuals interested in improving their communication abilities. The workshop covered various aspects of communication, including verbal and non-verbal communication, public speaking, interpersonal skills, and effective listening. Through interactive sessions, group activities, and practical exercises, participants gained valuable insights and practical techniques to enhance their communication skills. The workshop provided a supportive and engaging environment for participants to learn and practise effective communication strategies, fostering personal and professional growth.





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#### Workshop Objectives

Learning a language doesn't mean the acquisition of literary craftsmanship, on the contrary, to know a language at present means to be effectively competent in various communication skills. Considering the growing demand of English language and related soft skills and the overall significance of English language as a lool for global communication, the present workshop aims to develop and enhance the linguistic and communicative competence of the learners. The focus is on honing the skills of reading, listening, speaking and writing, classrcom manegement and continuing professional development (CPD) for English language teachers.

#### Workshop Methodology

- # Participant centred approach with group and pair work.
- Brainstorming
- Overall interaction

#### **Outcome Expectancies**

- To discuss attitudes towards teaching reading, listening, speaking, writing and other soft skills.
- Skills in effective classroom management are central to teaching and require consistency, a sense of fairness and courage. These skills also require that teachers must understand the psychological and developmental levels of their students.
- To explore the benefits of continuing professional development (CPD).
- To develop students' presentation skills.
- To help the students to be familiarized with the job interview process.

Day	Session 1	Session 2
Day 1	(10.30 am to 1 p.m.) Inaugural Session(10.30 am to 11.30 am)	(2 p.m. to 4.30 p.m.)
19 <sup>th</sup> August,2019 Monday	Felicitation & Wellcome     Objectives of the workshop     Magning of the exploration(nobe voyage vars Indostruction)     Workshop (11,20 and to 1 pm)     Integration of Skills & Claustoon Manugement	Workshop to be continued
Day 2 20 <sup>th</sup> August,2019 Tuesday	Workshop: Developing Learners' critical thinking skills through communication & collaboration	Workshop to be continued
Day 3 21" August,2019 Wednesday	Workshop: Developing Professional Development	Workshop to be continued
Day 4 22 <sup>nd</sup> August,2019 Thursday	Workshop: Developing Learners' Reading ability -Intermediate & Advanced	Workshop: Exploring the synergy between Reading and Speaking
Day 5 23 <sup>st</sup> August,2019 Friday	Holiday Sri Krishna Janmashtami	
Day 6 24 <sup>th</sup> August,2019 Saturday	Workshop: How to be an engaged Listener in language ambience- an outcome perspectives	Workshop to be continued
Day 7 25 <sup>th</sup> August,2019 Sunday	Sunda	y
Day 8 26 <sup>th</sup> August,2019 Monday	Workshop: Presentation effectiveness- Developing Learners' Speaking Skills & Vocabulary	Workshop to be continued
Day 9 27 <sup>th</sup> August,2019 Tuesday	Workshop: Developing Learners' Writing Skills & access in Grammar	Workshop: Effectiveness of corpus linguistics in developing skills in English
Day 10 28 <sup>th</sup> August,2019 Wednesday	Workshop: Experts from The British Institutes Dynamics of Professional Presentation/Presentation effectiveness	Workshop to be continued
Day: 11 29 <sup>th</sup> Angest, 2019 Thursday	Workshop: Esperts from The British Institutes Job Interview	Workshop to be Continued (2pm to 4.30 pm) Valedictory Session (4.30 pm to 5 pm)



Developing Communication Skills workshop on 19.08.2019



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# 4. Capability to develop a seminar paper and a research paper; understand/ appreciate the difference between the two

#### Self studies Course Name on Advanced Research Methodology

Course Code: **ARM/08/19-20** Course Provider: **Ramakrishna Mission Sikshanamandira** Course Coordinator: **Dr. Abhijit Guha** Name of the Resource Persons: Dr. Abhijit Guha, Dr. Anujit Patra Mode: offline Course Duration: 16 February 2020 to 01 April 2020 Contact Hours: Every Saturday and Sunday from 2:00 p.m. to 5:00 p.m, for a total of 35 Hours Total Number of students Enrolled: 18 Total Number of Students Completed: 15

Course Fee: NIL

#### **Brief Descriptions:**

The Advanced Research Methodology course (Course Code: ARM/08/19-20) was conducted by Ramakrishna Mission Sikshanamandira, with Dr. Abhijit Guha serving as the Course Coordinator. The course aimed to provide participants with in-depth knowledge and skills in research methodology to enhance their research capabilities. The resource persons for the course were Dr. Abhijit Guha and Dr. Anujit Patra. The course was conducted offline, allowing participants to engage in interactive sessions and hands-on learning. The course spanned from 16 February 2020 to 01 April 2020, with contact hours scheduled every Saturday and Sunday from 2:00 p.m. to 5:00 p.m. This weekend schedule allowed participants to dedicate focused time to the course without interfering with their weekday commitments. The course had a total duration of 35 hours, providing ample time for comprehensive coverage of advanced research methodology topics. A total of 18 students enrolled in the Advanced Research Methodology course, indicating their interest and recognition of the importance of research skills in their respective fields. Out of the enrolled students, 15 successfully completed the course, demonstrating their commitment to acquiring advanced research knowledge and skills. The course covered various aspects of research methodology, including research design, data collection methods, statistical analysis, and interpretation of research findings. The resource persons, Dr. Abhijit Guha and Dr. Anujit Patra, with their expertise and research experience, guided the participants in understanding and applying advanced research concepts and techniques. Participants were exposed to both theoretical frameworks and practical applications through case studies and hands-on exercises. They were trained in selecting appropriate research methods, designing research studies, and analysing data using statistical software. The course also emphasised ethical considerations in research and the effective presentation of research findings. The course fee for the Advanced Research Methodology course was waived (NIL course fee), reflecting Ramakrishna Mission Sikshanamandira's commitment to promoting research skills and knowledge without financial



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barriers. In conclusion, the Advanced Research Methodology course organised by Ramakrishna Mission Sikshanamandira, under the coordination of Dr. Abhijit Guha, provided participants with advanced research skills and knowledge. The course equipped individuals with the necessary tools and techniques to undertake high-quality research in their respective fields. The high completion rate among the participants indicates the course's effectiveness in meeting the needs of individuals seeking to enhance their research capabilities.

6	ARM/08/19-20/8
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4	(A NCTE recognized Govt. Aided (WB) Autonomous Post-Graduate College under University of Calcutta)
	Belur Math, Howrah, PIN - 711202
	SELF STUDY COURSE ON
	Advanced Research Methodology
	COURSE COMPLETION CERTIFICATE
	This is to certify that Sandhyajyoti Ghosh, B.EdII Year,
	Session: 2019-20 has successfully completed the Self-Study
1.1	Course (Duration: 35 hours) on 'Advanced Research
	Methodology' conducted at Ramakrishna Mission
	Sikshanamandira from 16 February 2020 to 01 April 2020.
	Along Ways and
	COURSE COORDINATOR Date: 06 April 2020 PRINCIPAL VICE PRINCIPAL

Sample certificate



# **Initiatives During 2018-19**

## 1. Career and Personal Counseling Value added course on PGDGC

Ramakrishna Mission Sikshanamandira hosts a guidance and counselling cell that offers a valuable value-added course on Post Graduate Diploma in Guidance and Counselling (PGDGC). This course has been a recurring program at the institution, drawing participants every year. Br. Suhas, an esteemed member, serves as the coordinator of this course.

The PGDGC program was initiated at Ramakrishna Mission Sikshanamandira in 2013, and since then, it has provided students with comprehensive training in the field of guidance and counselling. The course aims to equip individuals with the necessary knowledge and skills to offer effective guidance and counselling services in various educational and professional settings.

Participants of the PGDGC course benefit from a well-structured curriculum that covers essential topics such as counselling theories, techniques, and ethics. Practical sessions, webinar, seminar and workshops are also conducted to provide hands-on experience in counselling practices.

The guidance and counselling cell at Ramakrishna Mission Sikshanamandira plays a pivotal role in creating a supportive and nurturing environment for students pursuing the PGDGC course. The program has received positive feedback from participants, who have expressed their appreciation for the valuable insights gained and the transformative impact it has had on their professional growth.

Overall, the PGDGC course offered by Ramakrishna Mission Sikshanamandira's guidance and counselling cell has become a significant and sought-after program since its inception in 2013. It continues to empower individuals with the necessary skills to excel in the field of guidance and counselling, contributing to the overall betterment of the educational and professional landscape.



In the current year, the PGDGC course began on 29.07.2018, and the results were published on 27.08.2019. A total of 4 students have enrolled in this course.

### 7-Day National Workshop on Drone-Survey, Data Processing & GIS Mapping

The 7-Day National Workshop on "Drone-Survey, Data Processing & GIS Mapping" was held from 10th to 18th April 2019. The workshop, sponsored by RUSA 2.0 (Comp 8) and in collaboration with Opsis System Pvt. Ltd., aimed to provide participants with comprehensive knowledge and practical skills in drone surveying, data processing, and GIS mapping. Dr. Pradip Sarkar and Prof. Alik Kumar Mondal served as the coordinator and joint-coordinator, respectively. The workshop attracted participants from various backgrounds, including surveying, engineering, and geography. The workshop sessions covered topics such as drone technology, flight planning, data acquisition, data processing using GIS software, and mapping techniques. Hands-on exercises and field demonstrations allowed participants to gain practical experience in drone operations, data processing, and GIS mapping. By the end of the workshop, participants were equipped with the necessary skills to utilise drones for surveying purposes and effectively process and analyse the acquired data for GIS mapping applications.



Drone-Survey, Data Processing & GIS Mapping workshop 10th,11th, 17th, 18th April, 2019



# 2. Skill enhancement in academic, technical and organisational aspects

Ramakrishna Mission Sikshanamandira offers a range of value-added courses and self-study programs aimed at enhancing skills and knowledge in various domains. These courses include "Skill Enhancement in Academic, Technical, and Organisational Aspects through Internship in Schools," "Value-added Course on Data Analysis through MS-Excel," "Value-added Course on Low Cost No Cost Teaching Aids," "Self-Study Course on Effective Time Management," "Self-Study Course on Creative Thinking and Innovation," "Advanced Research Methodology," "Advanced Life Skills Training," "Advanced Environmental Studies," and "Advanced Child Development and Pedagogy."

These programs provide valuable opportunities for individuals to acquire specialised skills and expertise in their respective fields. Participants in the internship program gain practical experience in academic, technical, and organisational aspects through hands-on work in schools. The data analysis course equips learners with proficiency in using MS-Excel for statistical analysis and data interpretation.

The value-added course on low cost no cost teaching aids focuses on innovative and economical teaching tools that can enhance classroom learning. The self-study courses on effective time management and creative thinking foster personal growth and professional development.

The advanced research methodology course equips participants with advanced research skills and techniques. The advanced life skills training program aims to develop essential skills for personal and professional success. The advanced environmental studies course focuses on promoting environmental awareness and sustainable practices.

Lastly, the advanced child development and pedagogy program delves into the intricacies of child psychology and effective teaching methodologies.

These courses and programs at Ramakrishna Mission Sikshanamandira offer a comprehensive platform for skill development, knowledge enhancement, and professional growth. Participants are equipped with valuable tools and insights that contribute to their overall competence and effectiveness in their respective fields.



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#### Value Added course on: Low Cost No Cost Teaching Aids

Course Code: LCNCTA/07/18-19

Course Coordinator: Dr. Satyajit Kar

Name of the Resource Persons: Dr. Satyajit Kar, Sri Hitasish Bhowmik

Course duration: 17 February 2019 to 07 April 2019

Contact Hours: Every Saturday and Sunday from 2:00 p.m. to 4:30 p.m., for a total of 35 hrs.

Mode: offline

**Total Number of Students Enrolled: 32** 

**Total Number of Students Completed: 28** 

Course Fee: NIL

#### **Brief Descriptions:**

To begin with the course report, on behalf of the organisers Ramakrishna Mission Sikshanamandira, the Coordinator of the said Course Dr. Satyajit Kar gave welcome notes on the aforesaid course. After that the principal of Ramakrishna Mission Sikshanamandira, revered Swami (Dr.) Tattwasarananda Maharaj welcomed all the participants of the course. This course was designed to initiate the idea among the trainees of Ramakrishna Mission Sikshanamandira in order to cultivate the ideas of various low cost and no cost teaching Aids involved in the teaching of Science and Mathematics. In the auspicious presence of revered Swami(Dr.) Tattwasarananda Maharaj, Dr. Satyajit Kar the coordinator of the said course welcomed all the participants of this course. The exhibition along with the lectures of a variety of distinguished resource persons inspired the trainees. One of the major objectives of this certificate course is to make our students interested in Various low cost no cost teaching Aids. After completion of the aforesaid course it can be said that the course objectives become fulfilled in this regard. The length of the course was 35 hours. Last date of enrolment for the course was 15 February, 2019. The course was conducted Every Saturday and Sunday from 2:00 p.m. to 4:30 p.m. (17 February 2019 to 07 April 2019) with 32 enrolled students. A total of 28 students completed the course successfully and received the participation certificate on 10 April, 2019.



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#### SAMPLE BROCHURE

		Cou	rse Contents
Course Duration 35 hours	Course Learning Outcomes	Week 1	Basic Knowledge of Low cost no cost Teaching Aids. Also their Care and maintenance.
Date 17th February to 7th April, 2019	By the end of this session students will be able to • Develop their	Week 2	Development of some primary Science & Mathematics Low cost no cost Teaching Aids.
	understanding of Low cost no cost Teaching Aids. • Develop some Low cost no	Week 3	Development of Tripod stand, Environmental Game,
	<ul><li>cost Teaching Aids.</li><li>Use Low cost no cost</li></ul>	Week 4	Development of Simple microscope, Simple Abacus
	Teaching Aids in classrooms efficiently.	Week 5	Development of Various Mathematical models.
	Trained students in preparing various improvised Teaching	Week 6	Exploration of sound apparatus, sound kit, reflection of sound apparatus.
	Aids.	Week 7	Development of light source for optics experiments, pinhole camera, model of Telescope, perfscope, Light

reflection box.



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#### Value Added course on: Data Analysis through MS-Excel

Course Code: DAMSE/08/18-19

Course Coordinator: Dr. Abhijit Guha

Name of the Resource Persons: Dr. Abhijit Guha, Dr. Anujit Patra

Course duration: 13 April 2019 to 08 June 2019

Contact Hours: Every Saturday and Sunday from 2:00 p.m. to 4:30 p.m., for a total of 35 hrs.

Mode: offline

**Total Number of Students Enrolled: 31** 

**Total Number of Students Completed: 27** 

Course Fee: NIL

#### **Brief Descriptions:**

To begin with the course report, on behalf of the organisers Ramakrishna Mission Sikshanamandira, the Coordinator of the said Course Dr. Abhijit Guha gave welcome notes on the aforesaid course. After that the principal of Ramakrishna Mission Sikshanamandira, revered Swami (Dr.) Tattwasarananda Maharaj welcomed all the participants of the course. This course was designed to build basic computer learning skills and data processing techniques in social science research of the trainees of Ramakrishna Mission Sikshanamandira. In the auspicious presence of revered Swami(Dr.) Tattwasarananda Maharaj, Dr. Abhijit Guha the coordinator of the said course welcomed all the participants of this course. The demonstrations along with the lectures of a variety of distinguished resource persons inspired the trainees. One of the major objectives of this certificate course is to make our students interested in Social science research. After completion of the aforesaid course was 35 hours. Last date of enrolment for the course was 12th April, 2019. The course was conducted Every Saturday and Sunday from 2:00 p.m. to 4:30 p.m. (13 April 2019 to 08 June 2019) with 31 enrolled students. A total of 27 students completed the course successfully and received the participation certificate on 12 June 2019.



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#### SAMPLE BROCHURE



#### Course Duration 35 hours



Date 13 April to 8 June, 2019

#### Course Learning Outcomes

By the end of this session students will be able to

- Basic idea of MS-Excel through readily available software (Hands on Experience)
- Master Excel from basic to advanced level.
- Build Excel formulas to analyze text, fields, values and arrays.
- Conditional Formatting & formula Auditing.
- Statistical Analysis for Research Interpretations.

#### **Course Contents**

Waek 1	Basic Knowledge of MS-Excel through readily available software.
Week 2	Date Tabulation & preparation of data for analysis through MS-Excel.
Week 3	Descriptive statistical analysis viz Mean, SD (Standard Deviation), Variance, kurtosis, skewness etc.
Week 4	Formation of Ber diagram, Pie charts etc.
week s	Formation of Histogram, frequency polygon etc.
Week 6	Inferential Statistics by Data Analysis Tool pack viz t-test, Correlation
Week 7	Inferential Statistics by Data Analysis Tool pack viz One way Anova and Mathematical Equations.



# 4. Capability to develop a seminar paper and a research paper; understand/ appreciate the difference between the two

#### Self studies Course Name on Advanced Research Methodology

Course Code: **ARM/08/18-19** Course Provider: **Ramakrishna Mission Sikshanamandira** Course Coordinator: **Dr. Abhijit Guha** Name of the Resource Persons: Dr. Abhijit Guha, Dr. Anujit Patra Mode: offline Course Duration: 17 February 2019 to 03 April 2019 Contact Hours: Every Saturday and Sunday from 2:00 p.m. to 5:00 p.m, for a total of 35 Hours Total Number of students Enrolled: 38 Total Number of Students Completed: 33

Course Fee: NIL

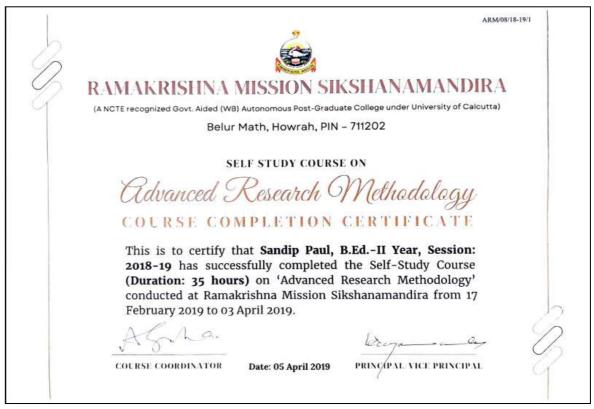
#### **Brief Descriptions:**

The Advanced Research Methodology course (Course Code: ARM/08/18-19) was conducted by Ramakrishna Mission Sikshanamandira, with Dr. Abhijit Guha serving as the Course Coordinator. The course aimed to provide participants with in-depth knowledge and skills in research methodology to enhance their research capabilities. The resource persons for the course were Dr. Abhijit Guha and Dr. Anujit Patra. The course was conducted offline, allowing participants to engage in interactive sessions and hands-on learning. The course spanned from 17 February 2019 to 03 April 2019, with contact hours scheduled every Saturday and Sunday from 2:00 p.m. to 5:00 p.m. This weekend schedule allowed participants to dedicate focused time to the course without interfering with their weekday commitments. The course had a total duration of 35 hours, providing ample time for comprehensive coverage of advanced research methodology topics. A total of 38 students enrolled in the Advanced Research Methodology course, indicating their interest and recognition of the importance of research skills in their respective fields. Out of the enrolled students, 33 successfully completed the course, demonstrating their commitment to acquiring advanced research knowledge and skills. The course covered various aspects of research methodology, including research design, data collection methods, statistical analysis, and interpretation of research findings. The resource persons, Dr. Abhijit Guha and Dr. Anujit Patra, with their expertise and research experience, guided the participants in understanding and applying advanced research concepts and techniques. Participants were exposed to both theoretical frameworks and practical applications through case studies and hands-on exercises. They were trained in selecting appropriate research methods, designing research studies, and analysing data using statistical software. The course also emphasised ethical considerations in research and the effective presentation of research findings. The course fee for the Advanced Research Methodology course was waived (NIL course fee), reflecting Ramakrishna Mission Sikshanamandira's commitment to promoting research skills and knowledge without financial



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barriers. In conclusion, the Advanced Research Methodology course organised by Ramakrishna Mission Sikshanamandira, under the coordination of Dr. Abhijit Guha, provided participants with advanced research skills and knowledge. The course equipped individuals with the necessary tools and techniques to undertake high-quality research in their respective fields. The high completion rate among the participants indicates the course's effectiveness in meeting the needs of individuals seeking to enhance their research capabilities.



Sample certificate