



Rashtriya Uchchatar Shiksha Abhiyan, Maharashtra

**RUSA PROJECT CLOSURE REPORT**  
(To be filled and submitted by Institutions)

**PART A**

**Scheme : RUSA 2.0**

**NAME OF INSTITUTION : SIES College of Arts Science & Commerce (Autonomous)**

**ADDRESS OF THE INSTITUTION : SIES College of Arts, Science and Commerce, Jain Society, Sion West, Mumbai-22**

**ABOUT THE COLLEGE :**

**1. YEAR OF ESTABLISHMENT AND BACKGROUND IN BRIEF (50 WORDS):**

The SIES Arts, Science and Commerce College (Affiliated to University of Mumbai) was inaugurated on 20th of June 1960 by Shri Y. B. Chavan, the first Chief Minister of Maharashtra to serve the ever-growing educational needs of students from North and Central Mumbai Suburbs, and was the gift of the South Indians in Mumbai to the then newly-born State of Maharashtra. It has an impressive strength of over 5,000 students drawn from all sections of this cosmopolitan city. Excellent results at various University and Board examinations, and coveted awards and merit positions bagged by the students have placed our college among the most outstanding institutions in the city.

**2. 3 THINGS WHICH COLLEGE IS PROUD OF:**

The college believes that education is a tremendous responsibility and not just an activity, and therefore is proud of its commitments to the following three objectives:

- ✓ The college provides a student centered environment where, the intellectual, cultural, social, physical and recreational needs of the students are fulfilled.
- ✓ The college is dedicated to improving the quality of life of its stake holders, by adopting the highest standards in imparting education for holistic development.
- ✓ The college believes in fostering an integrated character, imbued with high moral, social, ecological and spiritual values in its students.

**3. VISION AND PLAN FOR NEXT 10 YEARS (With respect to aspect given below):**

**a. Accreditation:** Reaccreditation for 4<sup>th</sup> cycle of NAAC is expected in December 2023

**b. Autonomy:** Conferred with academic autonomy in June 2018

**c. Research & Innovation:** Since knowledge creation and research are complimentary, therefore, connecting research with higher education requires a major paradigm shift that is crucial to expanding frontiers of knowledge. Moreover, teaching, learning and evaluation processes itself benefits significantly when conducted in an environment of high quality research. Therefore, it is essential to inculcate research aptitude and to promote scientific temper and research culture amongst the faculty members, research scholars and students. Incidentally, one of the key features in the mission and quality policy of our institution is 'to develop inquisitive minds to inculcate research culture'. Thus, in an attempt to facilitate, execute and implement this mission, so that, it not only initiates quality academic research in all fields but also prepares the faculty, research scholars and students to be worthy contributors to socioeconomic development, this institution under the aegis of 'Research Promotion Policy' has proposed the following key indicators with supporting objectives which need to be created and nurtured: *Promotion of Research and Facilities; Research Infrastructure and Facilities; Resource Mobilisation for Research; Innovation Ecosystem; Research Publications and Awards; Consultancy and Collaboration, Establishing Research Advisory Committee (RAC) and Ethics Committee (EC)* so as to encourage and prioritize research through research grants/funds and to support multidisciplinary and interdisciplinary research involving different faculties of pure and applied sciences, humanities, social sciences with impetus on establishing links with industry and industry-academia collaborations. The Institution has initiated the process for the launch of two journals, one each from faculty of arts and faculty of science, in order to support multidisciplinary and interdisciplinary research involving different faculties of humanities and social sciences along with pure and applied sciences.

**d. Curriculum (If updated how much):** Currently there is a paradigm shift from teacher-centric to learner-centric approach, thereby reflecting considerable transformation in higher education in India. In this scenario, therefore, learning and assimilating the contemporary strategies in higher education is indeed relevant to reorient and refashion reforms in higher education in my institution. Under the aegis of Academic Autonomy our curriculum is regularly revised and updated to complement the current trends and advances in respective disciplines by taking in account the criteria recommended by accreditation body such as National Assessment and Accreditation Council (NAAC). Since college has multiple streams

with several disciplines involving different courses, whereby, the curriculum gets revised and updated depending upon the inputs and requirements of the courses, through constructive discussions approved by the experts in the respective Board of Studies. The curriculum and pedagogy is designed by faculty, academicians, researchers, industry experts with relevant feedback from alumni to ensure a stimulating and engaging learning experience besides continuous formative assessment for further goals of each programme. The college has initiated the process of implementation of the reforms and policies put forth in the National Education Policy 2020. In this context, multidisciplinary courses are being redesigned by taking into account the credit structure and distribution proposed in the National Education Policy 2020, whereby, emphasis is on inquiry based curriculum besides including skill development courses, value added courses, ability enhancement courses and internships, apprenticeships, field visits, research projects, dissertations etc.

- e. **Student Activity:** Creation of International Students Office to facilitate the visits of international students/faculty, besides hosting foreign students/faculty, will help to coordinate all matters related to welcoming and supporting students arriving from abroad such as transfer of credits, research/teaching collaborations, faculty/student exchanges, signing of mutually beneficial Memorandum of Understandings. Multidisciplinary education, Open Distance Learning and Online Education will provide a natural path not only to increase access to quality higher education but will also eventually translate into greater mobility of international students on premises. The college has plans to scale up the organization of Conferences, Workshops, Seminars, Events involving student participation and interaction so as to nurture leadership skills and team work, besides creating a sense of belonging to the institution. The college plans to increase the visits and meetings at select campuses and organizations besides collaborations, and student exchanges, which will have a significant impact on remodeling and reorganizing certain aspects in my institution such as funding, leadership and management, quality assurance, accountability, relationships with industry, international collaboration and the way teaching and research are conducted. The college has initiated the 'Digitalization' of campus so as to make the campus Wi-Fi enabled, thereby increasing access to technology and complementing hybrid learning.
- f. **Student's Counselling/ Incubation/ Entrepreneurship Cell:** The College has already established Counselling Centre with the objective to ensure stress free life for students and to help them cope with the anxieties and challenges. The professional counsellors in the centre provide to the students both, career and personal counselling. Thus the college is committed to provide optimal learning environment and support for students, the 'prime stakeholders in education system' to ensure that learning environments are engaging, supportive and enable all students to succeed. Since the college has already established an Entrepreneurship Centre and Skill Hub by the name of 'Nirmittee Kendra' under the aegis of RUSA in 2019 with objective to develop skills and create successful entrepreneurs, therefore, the vision and plan in future is to expand it in order to create an ecosystem that accommodates novel business ideas and models. Moreover, this centre will also become an Incubation Hub with the potential to create business environment that works towards innovation, development, deployment or commercialization of new products and services driven by technology or intellectual property. Thus the expected outcome is to attempt to transform our students from job seekers to job providers.
- g. **Examination & Evaluation:** The college has implemented Choice Based Credit System (CBCS) for instilling innovation and flexibility, with criterion based grading system that assesses student achievement based on the learning goals for each programme, making the learning outcomes more comparable, thereby moving towards continuous and comprehensive evaluation. The college has initiated the setting up of Enterprise Resource Planning (ERP) for improving the planning, implementation and execution of the reforms proposed in the examination system. We have redesigned the curriculum based on the essence of Blooms Taxonomy, so that the examination and evaluation system will be attaining the parameters reflected in the criteria justifying Outcome Based Education.
- h. **Teacher Training / Faculty Development Programs (FDP):** The institution plans to conduct teacher training and capacity building programs and workshops so that the faculty will have the capacity and training to be able to approach students not just as teachers, but also as mentors and guides. These training programs will empower the faculty to conduct innovative teaching, research and service, besides enabling them to do outstanding and creative work. Motivated, energized and capable faculty will be groomed towards academic excellence by giving incentives through appropriate rewards, promotions, recognitions, and movement into institutional leadership.
- i. **Vocation Course:** To develop and link vocational skills with higher education sectors, thereby increasing employability and access.
- j. **Pedagogy :** ICT enabled teaching, learning and evaluation with blended or hybrid learning, flipped classroom, use of Open Educational Resources such as MOOC (Massive Open Online Courses), NPTEL (National Programme on Technology Enhanced Learning), Learning Management Systems, Microsoft Teams etc.

<b>DISTRICT LOCATION :</b> Mumbai	
<b>AFFILIATING UNIVERSITY :</b> Mumbai	
<b>CURRENT STUDENT STRENGTH :</b> 5780	
<b>CURRENT FACULTY STRENGTH (Sanctioned post and filled posts) :</b> Aided staff - 77 Sanctioned & 52 are filled posts	
<b>NAME OF THE PRINCIPAL :</b> Dr.Uma M Shankar	
<b>MOBILE NUMBER :</b> 9920186024	<b>EMAIL ID:</b> <a href="mailto:umas@sies.edu.in">umas@sies.edu.in</a>
<b>NAME OF RUSA COORDINATOR :</b> Dr. Satish Sarfare	
<b>MOBILE NUMBER :</b> 9224161076	<b>EMAIL ID :</b> <a href="mailto:satishs@sies.edu.in">satishs@sies.edu.in</a>

COMPONENT NUMBER : 8

COMPONENT NAME: Enhancing Quality And Excellence In Select Autonomous College.

PROJECT SANCTION DATE: 18<sup>th</sup> October 2018PROJECT COMPLETION DATE: 28<sup>th</sup> February 2023

GRANTS SANCTIONED (Rs in lakhs): Rupees 500 Lakhs

TOTAL GRANTS RECEIVED (Rs in lakhs): Rupees 500 Lakhs

GRANT RECEIVED AMOUNT RS & DATE	1 <sup>ST</sup> INSTALMENT		2 <sup>ND</sup> INSTALMENT		3 <sup>RD</sup> INSTALMENT		4 <sup>TH</sup> INSTALMENT	
	Amount	Date	Amount	Date	Amount	Date	Amount	Date
	1,50,00,000	29.12.2018	1,00,00,000	19.3.2019	1,25,00,000	29.10.2020	1,25,00,000	07.12.2021

GRANT UTILISED IN RS. 5 Crores (Rupees Five Crores)

BALANCE AMOUNT RS (IF ANY): Nil

% OF GRANTS UTILIZED: 100%

1. WHETHER ALL THE STOCK BOOK ENTRIES HAVE BEEN MADE WHEREVER NECESSARY? : Yes

## DETAILS OF EXPENDITURE (Rs in lakhs)

A. CONSTRUCTION (If Not Applicable, kindly write NA)	TYPE OF INFRASTRUCTURE (Hostel / lab etc)	SANCTIONED AMOUNT	AMOUNT UTILIZED (in Rs & %)	STATUS OF UTILITY	NO.OF FACILITIES CREATED	LOCATION OF FACILITY	PURPOSE OF THE FACILITY (STUDENT/ FACULTY/ BOTH)	NUMBER OF STUDENTS/ FACULTY BENEFITED
	1-Bio Analytical Lab	35,05,161	35,05,161 & 100%	Fully Utilised	1	3 <sup>rd</sup> Floor	Students	Maximum Students
	2-New Auditorium	20,00,000	20,00,000 & 100%	Fully Utilised	1	Ground Floor	Both	Maximum Students & faculty
	3-Sports Facilities	20,83,437	20,83,437 & 100%	Fully Utilised	1	Ground Floor	Both	Maximum Students & faculty
<b>TOTAL :</b>		75,88,598	75,88,598 & 100%					

1. Whether the construction is checked as per sanctioned estimate by an independent engineer? Yes

2. Technical Sanctions for civil and electrical work? If YES, attached copies. Yes

3. Whether safety / structural Audit conducted? If YES, attached copies. Yes

4. Whether the new construction facility has been registered on property card? If YES, attached copies. No

5. Whether the facility is in actual use of its desired purpose? Yes

6. All facility created has RUSA cornerstone/ RUSA signboard with RUSA logo? Yes

B. RENOVATION / UPGRADATION (If Not Applicable, kindly write NA)	TYPE OF INFRASTRUCTURE (Hostel / lab etc)	SANCTIONED AMOUNT	AMOUNT UTILIZED (in Rs & %)	STATUS OF UTILITY	NO.OF FACILITIES CREATED	LOCATION OF FACILITY	PURPOSE OF THE FACILITY (STUDENT/ FACULTY/ BOTH)	NUMBER OF STUDENTS/ FACULTY BENEFITED
	1- MIS Software for administration	5,00,000	5,00,000 & 100%	Fully Utilised	1	Ground Floor	Both	Maximum Students & faculty

	2- Upgradation of Toilet (Girls & Boys)	22,80,747	22,80,747 & 100%	Fully Utilised	4	Grd , 1 <sup>st</sup> and 4 <sup>th</sup> Floor	Students	Maximum Students
	3- Academic Staff Center for Humanities	17,38,873	17,38,873 & 100%	Fully Utilised	2	3 <sup>rd</sup> Floor	Faculty	Maximum faculty
	4-Research Center for Humanities	29,600	29,600 & 100%	Fully Utilised	1	2 <sup>nd</sup> Floor	Both	Maximum Students & faculty
	5-Library - Plagiarism software and RFID Security system	8,34,302	8,34,302 & 100%	Fully Utilised	1	2 <sup>nd</sup> Floor	Both	Maximum Students & faculty
	6-Classroom electrification and ICT enabled	13,92,403	13,92,403 & 100%	Fully Utilised	32+ labs	All the Floor (Grd, 1 <sup>st</sup> , 2 <sup>nd</sup> , 3 <sup>rd</sup> & 4 <sup>th</sup> Floor)	Both	Maximum Students & faculty
	7-Upgradation of Laboratories - Microbiology, Physics, Biotechnology , Psychology & Tally Lab	85,57,084	85,57,084 & 100%	Fully Utilised	5	1 <sup>st</sup> and 4 <sup>th</sup> Floor	Both	Maximum Students & faculty
	8-Renovation of Computer Centre - 6 Labs of Computer Science and Information Technology	24,83,982	24,83,982 & 100%	Fully Utilised	6	4 <sup>th</sup> Floor	Both	Maximum Students & faculty
	9-2 nos. Multimedia Room & 1 no. Virtual Room	30,00,000	30,00,000 & 100%	Fully Utilised	3	Grd, 1 <sup>st</sup> and 4 <sup>th</sup> Floor	Both	Maximum Students & faculty
	10-Canteen Amenities and Furniture	5,29,488	5,29,488 & 100%	Fully Utilised	1	Ground Floor	Both	Maximum Students & faculty
	11-Vertical Garden	3,33,425	3,33,425 & 100%	Fully Utilised	2	Ground Floor	Both	Maximum Students & faculty
	12--Academic Building Renovation	71,17,412	71,17,412 & 100%	Fully Utilised	All	All the Floor	Both	Maximum Students & faculty
<b>TOTAL :</b>		<b>2,87,97,316</b>	<b>2,87,97,316</b>					

1. Whether the construction is checked as per sanctioned estimate by an independent engineer? Yes

2. Technical Sanctions for civil and electrical work? If YES, attached copies. Yes

3. Whether stability / structural Audit for the existing structure conducted before renovation/ upgradation? YES/NO, if YES, attached copies. Yes

4. Whether the renovation work approved as per local construction norm? Yes

5. Whether the facility is in actual use of its desired purpose? Yes

6. All facility renovated has RUSA cornerstone/ RUSA signboard with RUSA logo? Yes

C.	TYPE OF	NO.OF	AMOU	STAT	LOCATI	PURPOS	NUMBER
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EQUIPMENTS  (If Not Applicable, kindly write NA)	EQUIPMENT	SANCTIONED AMOUNT	EQUIPMENTS	NT UTILIZED	US (IN USE /NOT IN USE)	ON OF FACILITY	E OF THE FACILITY (STUDENT/ FACULTY/ BOTH)	OF STUDENTS/ FACULTY BENEFITED
	1-Books/ Journals / E-Resources / Furniture's	5,98,916	<b>598,916</b>	5,98,916	In Use	2 <sup>nd</sup> floor	Both	Maximum Students & faculty
	2-Lab Equipment's	19,96,979	<b>19,96,979</b>	19,96,979	In Use	1 <sup>st</sup> , 3 <sup>rd</sup> , 4 <sup>th</sup> floor	Students	Maximum Students
	3-Computer, Scanner, Photocopying & Printer	48,15,507	<b>48,15,507</b>	48,15,507	In Use	All the Floor	Both	Maximum Students & faculty
<b>TOTAL :</b>		<b>74,11,402</b>	<b>74,11,402</b>					

**1. All equipment purchased through RUSA is tagged with RUSA logo sticker/label ? Yes**

D. SOFT COMPONENT  (If Not Applicable, kindly write NA)	TYPE OF ACTIVITY	SANCTIONED AMOUNT	AMOUNT UTILIZED	STATUS UTILITY	OUTCOME ACHIEVED	NO.OF STUDENTS BENEFITED	INTERNATIONAL / STATE / COLLEGE LEVEL	REMARKS IF ANY
	1-Research - International Seminar	12,02,684	12,02,684	Fully Utilised	Yes	150+120=270	International level	Successfully Completed
<b>TOTAL :</b>		<b>12,02,684</b>	<b>12,02,684</b>					

E. E-CELL  (If Not Applicable, kindly write NA)	TYPE OF ACTIVITY	SANCTIONED AMOUNT	AMOUNT UTILIZED	STATUS UTILITY	OUTCOME ACHIEVED	NO.OF STUDENTS BENEFITED	NO OF STARTUP INITIATED (IF ANY) AND STAGE	REMARKS IF ANY
	1-Seed Money for Internship	3,38,866	3,38,866	Utilised	Yes	8	7	Good
	2-Research Assistant	7,18,500	7,18,500	Utilised	Yes	1	NA	Good
	3-Honorarium	5,81,880	5,81,880	Utilised	Yes	NA	NA	
	4-Training Tools / Software	5,02,469	5,02,469	Utilised	Yes	100	Na	Good
	5-Portal of EC & SH	97,854	97,854	Utilised	Yes	NA	NA	
	6-Workshop / Training / Seminar / Conference for students	5,65,020	5,65,020	Utilised	Yes	800	NA	Good
	7-Creation of Skill Hub	12,47,343	12,47,343	Utilised	Yes	700	NA	Good
	8-Computer, Printer, Scanner and Web Cam	9,48,068	9,47,878	Utilised	Yes	Maximum Utilised Continuously	NA	Good

TOTAL :	50,00,000	49,99,810
1. All facilities created has RUSA cornerstone/ RUSA signboard with RUSA logo ? Yes		
2. All equipment purchased through RUSA is tagged with RUSA logo sticker/label ? Yes		
DETAIL EXPENDITURE STATEMENT	TO BE ATTACHED (Use only RUSA fund status report format attached herewith)	
UTILIZATION CERTIFICATE	TO BE ATTACHED (Use only GFR – 12C form attached herewith)	
DETAIL REPORT OF PROJECT	TO BE ATTACHED (Sanctioned and approved)	
GEO TAGGED PHOTOS	<p>Following are the links containing geotagged photographs for the workshops conducted under the aegis of RUSA in academic year 2021-2022 and 2022-2023:</p> <p>14<sup>th</sup>-19<sup>th</sup> March Workshop on Training and Skill Development in Instrumentation and Bioanalytical Techniques'  <a href="https://docs.google.com/document/d/1nt6RppRBPYb-E-xsk2dE_xmo1wlMQOTl/edit?usp=share_link&amp;oid=108542954118721531541&amp;rtpof=true&amp;sd=true">https://docs.google.com/document/d/1nt6RppRBPYb-E-xsk2dE_xmo1wlMQOTl/edit?usp=share_link&amp;oid=108542954118721531541&amp;rtpof=true&amp;sd=true</a></p> <p>24<sup>th</sup>-26<sup>th</sup> March Workshop on Inculcating research aptitude and developing research skills  <a href="https://docs.google.com/document/d/1ORsdzy7-ejOojY0nVbmHToH8HXLkrc0l/edit?usp=share_link&amp;oid=108542954118721531541&amp;rtpof=true&amp;sd=true">https://docs.google.com/document/d/1ORsdzy7-ejOojY0nVbmHToH8HXLkrc0l/edit?usp=share_link&amp;oid=108542954118721531541&amp;rtpof=true&amp;sd=true</a></p> <p>26<sup>th</sup>-31<sup>st</sup> December Workshop on “Concept Based Learning- A Research Based Pedagogy Tool to impart Training and develop skills in Instrumentation and Bioanalytical Techniques by ‘Winter School’; A school of Unlearning  <a href="https://docs.google.com/document/d/12xqYtAnN3VY_ZgRg5VUPAoXE2HEq9vW4/edt?usp=share_link&amp;oid=108542954118721531541&amp;rtpof=true&amp;sd=true">https://docs.google.com/document/d/12xqYtAnN3VY_ZgRg5VUPAoXE2HEq9vW4/edt?usp=share_link&amp;oid=108542954118721531541&amp;rtpof=true&amp;sd=true</a></p> <p><b>SHARE IN THROUGH GOOGLE FORM (copy and paste the link in a new tab)</b>  <b>Photos specification : Each institution one folder with respective name</b>  : JPEG/ JPG/PNG format only  : Size limit – max 2 MB per photo  : Landscape – 16:9 Aspect ratio  : Name/ Caption seach Photo</p>	
<b>PART C</b>		
<p><b>F. OVERALL IMPACT OF RUSA (in maximum 500 words):</b> Rashtriya Uchcharat Shiksha Abhiyan has been instrumental in transforming the higher educational landscape by achieving the objectives of access, equity and excellence in higher education. Especially, it has made a significant impact in colleges, because under the aegis of RUSA, quality laboratories have been created, smart classrooms have been built and moreover, it has added value in the holistic development of the students. The relevance of RUSA has been its ability to identify the challenges facing higher education in India and thereby reveal a system undergoing considerable transformation due to the extensive reforms in higher education in India. Since high-quality education is the best way forward for developing and maximizing our country's rich talents and resources for the good of the individual, the society, the country, in this context, therefore, RUSA has been successful to create a healthy ecosystem and self-sustaining momentum by bringing about reforms in the existing governance and regulatory systems, besides providing high-quality educational opportunities to students, thereby influencing the role of teachers and students in determining the future of our country.</p> <p>The reforms proposed and executed under the aegis of RUSA has not only helped in creating new academic institutions, expanding and upgrading the existing ones, but has also improved the overall academic quality of colleges. It has been instrumental in developing institutions that are self-reliant in terms of quality education, professionally managed, and characterized by greater inclination towards research and provide students with education that is relevant to them as well the nation as a whole.</p> <p>Thus, the opportunity given to our college to participate in this RUSA program, thereby, has enabled us to implement some of the educational reforms with strategic planning and sincere efforts, so that it reflects our contribution as an Autonomous Institution towards '<i>Achieving the full potential of every student</i>'.</p>		
<b>G.THREE OUTCOME OF RUSA PROJECT WHICH HAS BENEFITTED COLLEGE AND STUDENTS</b>		
<p>1. The RUSA grants has benefitted the college, whereby, it could upgrade and fill critical gaps in infrastructure, especially for redesigning and modernizing the laboratories, libraries, creating smart classrooms, installing ICT enabled tools etc. This transformation has created a conducive ambience for students, and had significant impact in imparting and assimilating quality teaching, learning, and evaluation pedagogies for the benefit of students. Pedagogy in current scenario of higher education emphasizes to make education more experiential, holistic, integrated, inquiry-driven, discovery-oriented, learner-centred, discussion-based, flexible, and, of course, enjoyable. Since holistic education is moving towards less content, and more towards learning about how to think critically and solve problems, how to be creative and multidisciplinary, and how to innovate, adapt, and absorb new material in novel and changing fields. Therefore, the exposure provided under aegis of RUSA grants has helped our institution to broaden its horizons and think beyond existing educational paradigms and envision systemic alternatives. Eventually it would also us to understand, analyse and implement the reforms in higher education in our own institution and</p>		

- thereby justifies the significance and relevant of the RUSA project to college and its stake holders such as teachers and students. Moreover, learning about the various facets of RUSA initiatives has helped us to assimilate the information and given us the critical insights to bridge the gap between the current state of learning outcomes and what is actually required through undertaking major reforms that bring the highest quality, equity, and integrity in higher education.
2. The workshops conducted by different disciplines under the aegis of RUSA have given the students time and space to shape their thinking, and allowed these young minds to open up, to understand the path they would like to take after they leave the campus and also more importantly the path or field which they may not want to pursue. Thus, either ways these workshops have benefitted in sharpening most of the facets of their personality giving them a flair of necessary knowledge involving the essence of 'know what' along with the essential skills revolving around 'know how'. A few of the workshops conducted under the aegis of RUSA justifying the impact and relevance to students are as follows:
    - a) 'Inculcating research aptitude and developing research skills' – It helped to demystify research and clarify fundamental concepts in research. It also developed analytical skills amongst students, which enabled them to discuss and develop ideas, and to address problems in collaboration with peers, which is the underlying structure of the process of scientific inquiry. It encouraged the spirit of curiosity of students as learners, who are also problem solvers and scientific investigators in their own way. The workshop inspired students to inculcate research aptitude and adapt to research culture and gave them exposure towards an interdisciplinary approach between different disciplines in pure and applied sciences, moreover, it also created awareness about research as one of the career options. Interestingly, this workshop gave students the confidence to conceptualise, incubate and translate their research ideas into reality, which may become relevant in addressing the emerging problems in the country besides contributing to society and mankind, thereby encouraging entrepreneurship, so that some students could also become 'Job Creators' and not simply 'Job Seekers'.
    - b) Training and Skill Development in Instrumentation and Bioanalytical Techniques' - It has inculcated critical thinking, interdisciplinary approach and analytical reasoning in science students. It also imparted skill training/fresh skilling of laboratory instruments, equipment and bioanalytical techniques. It also helped to create awareness amongst students regarding skill development and job opportunities as a Laboratory Technician/ Assistant/Analyst related to Life Sciences Sector Skill Development. The workshop was instrumental in bridging the gap between the domain wise demand and supply for skilled manpower in areas related to Life Sciences Sector Skill Development which was evident from the feedback received based on criteria such as analytical reasoning, hands on experience etc.
    - c) 'CriThink – An intercollegiate workshop on critical thinking' - The workshop enabled students to develop critical thinking, encouraged them towards open and inquiring attitude. It also developed reasoning and problem solving skills, besides refining their writing skills. Moreover, it created awareness amongst the students to inculcate some of the necessary skills such as construct an argument that is logical and based on evidences, detect faulty reasoning, form a balanced position in a debate, build argument maps to visually display and scaffold the thinking process. Thus, this workshop made a significant impact on students, thereby giving them relevant exposure to some of the core competencies essential for their academic and personal growth.
  3. The organization of International Conference on 'Natural Products – Quality, Safety and Efficacy' under the aegis of RUSA helped to bring together eminent speakers, leading researchers from academia, industry, entrepreneurs and representatives from government to discuss and review quality, safety and efficacy of natural products. It also provided an excellent networking opportunity for linkage between academia, industry and regulatory agencies. It gave critical insights into the emerging trends, concerns and recent approaches in promotion and development of natural products. Moreover, it also served as a forum for oral and poster presentations of research papers, thereby encouraged, inspired and motivated researchers.

#### H. SUCCESS STORY WITH RESPECT TO RUSA, IF ANY

AaharNutra (*Start Up and Enterprise*) to produce iron enriched nutrition bar 'functional food' could be initiated due to the generosity of RUSA grant of Rs. One lakh. AaharNutra was an enterprise initiated by students (Ganesh Bommeri, Jaiba Malpekar & Shrutilaya Shastri) of Post Graduate Diploma in Food Technology and Nutraceuticals, whereby they developed a food product named 'Iron Bytes' to combat Iron Deficiency Anemia. The main aim of AaharNutra was to develop functional food for combating different types of nutritional deficiencies in Indian population. The objective was to develop Iron-Enriched Nutrition bar to meet the requirement of Iron in the Indian population as per the Daily Allowances recommended by Indian Council of Medical Research. The bar contains Vitamin-C and Folic acid to aid Iron absorption. The food product was analyzed from NABL Approved Laboratory.

  
Principal  
SIES College of Arts, Science &  
Commerce (Autonomous)  
Sion (West), Mumbai - 400 002

SEAL AND SIGNATURE OF PRINCIPAL/ REGISTRAR, UNIVERSITY