

**Memorandum of Understanding between
M.S Ramaiah College of Arts Science and Commerce
&
Biocon Academy, Bangalore**

This Memorandum of Understanding (“MOU”) is entered into as on the 1st day of April, 2020 (“Effective Date”) between

M.S Ramaiah College of Arts Science and Commerce (hereinafter referred to as MSRCASC) is re-accredited with “A” Grade by NAAC (National Assessment & Accreditation Council), Permanently Affiliated to Bangalore Central University (BCU), and approved by AICTE (All Indian Council of Technical Education). MSRCASC offers Bachelor and Master’s programs in various life sciences divisions, such as, Chemistry, Biochemistry, Microbiology, and Biotechnology;

and

Biocon Academy is a Centre of Excellence for Advanced Learning in Applied Biosciences and is part of the CSR initiative of BIOCON Ltd. Biocon Academy aims at developing Industry-ready talent for the Bio-pharma sector to enable global competitiveness. Biocon Academy leverages rich industry experience of Biocon and subject expertise of national and international Education Partners;

Biocon Academy and M. S. Ramaiah each a “Party” and collectively the “Parties.

1. This Memorandum of Understanding (MoU) between **MSRCASC** and **Biocon Academy** is signed with the general objective of fostering collaboration between the two institutions to promote academic and research interactions. Initially, MSRCASC and Biocon Academy will jointly design and offer specific 8-week certificate programme on Quality Control Analytical (QCA). The exact scope of work on the part of the two organizations will be mentioned in the statement of work attached to the MOU.
2. Notwithstanding the foregoing, the Parties herein covenant to abide by the obligations set forth herein, in course of the conduct of the definitive and statement of work aforesated

(A) Confidentiality and Non-Disclosure

MSRCASC agrees to: (a) hold Biocon’s and Biocon Academy’s Confidential Information in confidence and to take all necessary precautions to prevent unauthorized disclosure of such Confidential Information and; (b) use such information for the purposes for which it was disclosed; and (c) not to disclose such information to any third parties without Biocon’s prior written consent. Confidential Information (“Confidential Information”) includes all information which MSRCASC has or may

have received from Biocon/Biocon Academy during the course of performing its obligations under this MOU, excluding Personal Data.

Use of name/Publicity. Neither Party will mention or otherwise use the name, trademark, or logotype of the other Party or its affiliates without the prior written consent of the other Party.

(B) Obligations With Respect To Personal Data:

MSRCASC represents and warrants that: (a) it shall comply with its obligations under the applicable data protection laws; (b) it shall hold Personal Data strictly as confidential and shall not disclose such Personal Data to any third parties; and (c) it shall obtain consent of the applicable data subjects using the consent format attached hereto as Annexure A. As used herein, "Personal Data" means any information that relates to a natural person, which, is capable of identifying such person.

(C) Term:

This MOU shall come into force from the Effective Date and shall be valid for a period of three (3) years commencing from the Effective Date ("Term"). The MOU may be renewed in writing on mutually agreed terms between the Parties through an amendment to the MOU.

(D) Termination:

The Parties to the MOU may terminate the MOU in case of breach of the MOU and such a breach has not been rectified within thirty (30) days from the date of breach. Biocon Academy may terminate the MOU without giving a reason by giving a notice of thirty (30) days to MSRCASC.

(E) Survival

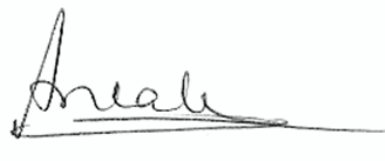
Notwithstanding anything stated contrary hereto, the obligations of Confidentiality and Non-Disclosure and Obligations with Respect to Personal Data shall survive the expiry or the termination of this MOU and any other statement of work entered into by the Parties.

(F) Amendment:

No amendments or modifications to this MOU shall be valid unless agreed to in writing by the Parties to this MOU.

A coordination committee consisting of the Principal, MSRCASC as Chairman, and up to two nominees each from MSRCASC and Biocon Academy would coordinate and monitor the QCA programme and all related operational matters within the framework of the academic regulations of MSR.

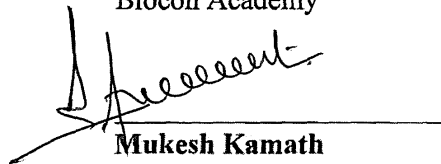
(Signature page follows)



Dr. A. Nagarathna
Authorized Signatory
Principal
M.S Ramaiah College
of Arts Science and Commerce



Amitava Saha
Authorized Signatory
Biocon Academy



Mukesh Kamath
Authorized Signatory
Biocon Academy

Date: 01-04-2020

Date: 01-04-2020

MSRCASC-Nominees:

- 1) Dr. Nagagireesh Bojanala, Dean of Sciences, Department of Life Sciences
- 2) Mr. Prasanna Kumar S.G, HoD, Department of Chemistry & Biochemistry

Biocon Academy Nominees:

- 1) Bindu Ajit, Program Dean, Biocon Academy
- 2) S S Easwaran, Academic Dean

STATEMENT OF WORK

Features of the Programme

This **Biocon-Ramaiah Certificate Program in Quality Control Analytical (QCA)** will be offered to individuals having the qualifications of M.Sc. Chemistry / Organic Chemistry/ In-Organic Chemistry/ Physical Chemistry /Analytical chemistry/ Biochemistry/Pharmaceutical Chemistry with the purpose of their upskilling and enhanced employability. The selected candidates will attend both the lectures and practicals at the facilities provided by Biocon Academy in Bangalore.

MSRCASC and Biocon Academy hereby agree to collaboratively offer the QCA certificate programme as per the syllabus mentioned in the Annexure-A, initially for one year from the date of this SOW. Further continuation of the offering of the programme will be based on mutual agreement.

This certificate programme will be offered to a batch of minimum 15 candidates up to 20 candidates each time. The selection of candidates will be based on their fulfilling the required eligibility and the merit standing in their qualifying degrees, namely, M.Sc. Chemistry / Organic Chemistry/ In-Organic Chemistry/ Physical Chemistry /Analytical chemistry / Biochemistry/Pharmaceutical Chemistry. MSRCASC and Biocon Academy may mutually agree to apply any additional merit-based criteria in the selection process. The selection process would be handled by Biocon Academy.

MSRCASC and Biocon Academy will identify a suitable person from each side to work together as programme coordinates for smooth conductance of the programme. Dr. Nagagireesh Bojanala will be the program coordinator from MSRCASC and SS Easwaran from Biocon Academy.

The duration of the certificate programme will be eight weeks, each week consisting of five days of instruction, the lecture classes being conducted in the forenoon and functional visits classes being conducted in the afternoon. The programme will be conducted as per the curriculum and structure (enclosed in the Annexure-A at the end of this document) designed and formalized by Biocon Academy in collaboration with MSRCASC.

From the tuition fee of the programme MSRCASC will be paid INR 20,000 (excluding 10% TDS + 18% GST above Programme Fees). Biocon Academy will pay MSRCASC against invoice on commencement of the programme for each batch.

This certificate programme will be named as **Biocon-Ramaiah Certificate Programme in Quality Control Analytical (QCA)**.

Specific Responsibilities of MSRCASC

MSRCASC will arrange the pedagogy through its technology-based (Zoom /VC) lecture delivery methods. Faculty members with suitable qualification and experience will be deputed by MSRCASC to deliver the lectures in the programme. MSRCASC will provide module handouts with plan of lectures, plan of self-study and schedule of evaluation components for each module. MSRCASC will conduct, with the help of Biocon Academy, the evaluation components, declare results as well as issue the official certificate and transcripts to the students. MSRCASC will propagate the program among their students and provide students for evaluations for admission of minimum 5 candidates.

Specific Responsibilities of Biocon Academy

Biocon Academy will prescribe the eligibility criteria and select the suitable candidates through interview process. Biocon Academy will arrange the necessary infrastructural facilities and logistical support for students as required, including classrooms with necessary audio/visual equipment to attend the virtual lectures, attendance taking and monitoring, laboratory facilities for carrying out practicals and any other facility that may be essential for the smooth and effective conducting of the programme. Biocon Academy shall conduct the functional visits at its facilities. Biocon Academy will collect the feedback from the students at the end of programme for each batch using a standard format. By the end of the program Biocon Academy would conduct placement drive to facilitate interview opportunities/placement assistance.

Evaluation & Certification

The minimum required academic performance for successful certification may be laid down as a combination of certain mandatory percentage of attendance in lecture classes and minimum expected performance in other evaluation components. Each week's instruction will be treated as one module and thus the certificate programme has 8 modules. To qualify for certification, the student should have successfully completed the modules as per the prescribed requirement. The details of number of tests, quizzes, practical tests and percentage weightages for different components will be mentioned in the respective module handouts.

MSRCASC is responsible for conducting the written tests and quizzes including setting of question papers and correction for each module. Biocon Academy shall be responsible for designing and administering the practicals tests or its equivalent as well as grading related to it.

Annexure- A

Programme Structure - Semester wise pattern

Course structure

Week 1 <Education Partner>	Basic Toolkit <ul style="list-style-type: none">• Introduction to Quality Unit• Quality professional – what’s so different• Quality Control function: Layout and workflow• Basic statistics and Sampling methods• Basic concepts:<ul style="list-style-type: none">○ Validation○ Calibration○ Verification• Personal protective equipment and Good Laboratory Practices <p>Course outcome: Participants will get a clear knowledge on the role of quality function in the overall manufacturing value chain. By end of the course the participants will be ready to take up the specific courses training in the areas of quality control with knowledge on working practices and safety measures.</p>	
Week 2 <Education Partner>	Quality Management System <ul style="list-style-type: none">• Good Manufacturing Practices• Good Documentation Practices• Quality Risk Management System• Pharmaceutical Quality System• Protocols, SOPs, STPs, RDS and Reports• OOS, OOT, Deviation and Failure investigation• CAPA, Change control <p>Course outcome: Participants will understand, appreciate and ready to practice standardized operations in a quality control unit. They will also able to make a connect between the quality of job function they conduct and how it impacts the overall critical quality attributes of the process and the product</p>	ICHQ7A IPA2018 ICHQ9 ICHQ10

<p>Week 3</p> <p><Education Partner></p>	<p>Analytical Instrumentation Part I: Spectral methods</p> <p><i><Basic principles and applications></i></p> <ul style="list-style-type: none"> • UV Visible Spectrophotometer • Infrared Spectroscopy, NIR and Raman • Inductively coupled plasma-optical emission spectrometry (ICP-OES) & inductively coupled plasma-mass spectrometry (ICP-MS) • Fourier-transform infrared spectroscopy (FTIR) • Polarimeter <p>Analytical Instrumentation Part II: Electrometric methods</p> <p><i><Basic principles and applications></i></p> <ul style="list-style-type: none"> • Wet Chemistry and Colorimeter • pH meter • Weighing Balance • Potentiometer • Gel Electrophoresis • Capillary Iso Electric Focusing (IEF) <p>Course outcome: This course will make the participants understand the principles behind the working of instruments. The course will also prepare the participants to understand the functioning of the instruments and their application in various analytical procedures. Post this course, they will be able to see the role of quality personal in troubleshooting basic deviations in results arising out of method and instrument origin.</p>	
--	---	--

<p>Week 4 <Education Partner></p>	<p>Analytical Instrumentation Part III: Chromatographic Methods (A) <Basic principles and applications></p> <ul style="list-style-type: none"> • Paper Chromatography • Thin Layer Chromatography (TLC) • Column Chromatography <ul style="list-style-type: none"> ○ High Performance Liquid Chromatography (HPLC) <ul style="list-style-type: none"> ▪ Normal Phase ▪ Reverse Phase ▪ UHPLC <p>Course outcome: This course will make the participants understand the principles behind the working of instruments. The course will also prepare the participants to understand the functioning of the instruments and their application in various analytical procedures. Post this course, they will able to see the role of quality personal in troubleshooting basic deviations in results arising out of method and instrument origin.</p>	
<p>Week 5 <Education Partner></p>	<p>Analytical Instrumentation Part III: Chromatographic Methods (B) <Basic principles and applications></p> <ul style="list-style-type: none"> • Ion Exchange Chromatography • Gas Chromatography (GC) & GC HS (Head Space) • Chromatography Data Software (CDS) • 21 CFR part 11 Compliance and Data Integrity. • LCMS technology – Liquid chromatography – Mass Spectrometry • Laboratory Information Management System (LIMS) <p>Course outcome: This course will make the participants understand the principles behind the working of instruments. The course will also prepare the participants to understand the functioning of the instruments and their application in various analytical procedures. Post this course, they will able to see the role of quality personal in troubleshooting basic deviations in results arising out of method and instrument origin.</p>	
<p>Week 6 <Training Partner></p>	<p>Hands on training on quality control instrumentation</p> <p>Course outcome: Will trained in operating the analytical instruments that belong the each of the functional principles <as many as to be covered in each principle>. The training will enable the participant to operate the equipment independently and to</p>	

	analyze and interpret the results.	
Week7 <Host>	<p>Quality Analysis</p> <ul style="list-style-type: none"> • Understanding the Pharmacopoeia • Understanding monographs • Analytical method development and validation • Cleaning and sterilization validation • Analyses of samples from utilities • Analyses of raw material, and in process material • Analysis of Finished Product • Analysis of Extractable, Leachable and genotoxic impurities <p>Course outcome: The most important objective of the program is achieved in this module were the participants makes a complete connect between the analytical principles of the instruments and the use of such instruments in analyzing specific pharmaceutical products. This course will also prepare them to make sure that the results generated from such analysis is reliable, repeatable and reproducible.</p>	<p>WHO- QAS/12.512</p> <p>ICHQ2(R1)</p> <p>FDA 7/93, CDER</p> <p>USP <661>, <1151>, <601></p>

Week 8 <Education Partner>	Stability Testing <ul style="list-style-type: none"> • Shelf life determination • Types of stability testing • Regulatory requirements <p>Course outcome: This course will give an opportunity to the participants to appreciate the relation between the purity, property of degradation, and impurity content to the pharmacological activity of the pharmaceutical preparation. This will give them an insight on the concept of determination of shelf life based on analytical reports with a background of the drug's activity.</p>	ICHQ1A ICHQ1C ICHQ1D ICHQ1E ICHQ5C
Special exposure to	<ul style="list-style-type: none"> • Technical writing skills • Laboratory information management system (LIMS) 	
Professional Skills	<ul style="list-style-type: none"> • Communication Skills- Verbal and Written • Presentation skills • Time management • Problem solving skills • Working in teams 	

Acknowledgement

July 15, 2022

This is to acknowledge that **Dr. Vasanth K Bhaskara** has been the Course Co-ordinator from MS Ramaiah College of Arts Science and Commerce side for the co-ordination of the Batch 3 of "Biocon Ramaiah Certificate Program in Quality Control Analytical" which was conducted between June and August of 2021.

Regards,



SS.Easwaran | Academic Dean

Biocon Academy

INDUSTRY – ACADEMIA COLLABORATIONS

DEPARTMENT OF CHEMISTRY-BIOCHEMISTRY

Biocon-Ramaiah Quality Control Analytical (QCA) Certificate Program
Batch-III

JUNE – AUGUST 2021


Principal,
M.S. Ramaiah College of Arts, Science & Commerce
MSRIT Post, MSR Nagar
Bangalore - 560 054



RAMAIAH
College of Arts, Science &
Commerce

M S Ramalah College of Arts, Science and Commerce
Re-accredited 'A' by NAAC, Permanently Affiliated to Bengaluru Central University,
Approved by Government of Karnataka, Approved by AICTE, New Delhi,
Recognized by UGC under 2F & 12B of UGC act 1956

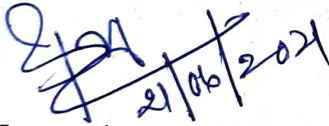
Ref: PO/CIR/2020-21/033-B

Date: 21st June, 2021

CIRCULAR

This is to inform you that Biocon-Ramaiah QCA program for Batch-3 is scheduled from 25th June to 28th August, 2021.

This is for your kind information.


21/06/2021

Dr. Vasanth Kumar Bhaskara
(Program Coordinator)



Principal,
M.S. Ramaiah College of Arts, Science & Commerce
MSRIT Post, MSR Nagar
Bangalore - 560 054



Event completion report

Event Details

Event	Biocon-Ramaiah Quality Control Analyst Training Program for Batch-3
Starting date of event	25-06-2021
Duration of event (in days)	43 Days and 3 days of placement drive
Name of the event organizing department	Biocon Academy & M.S Ramaiah College of Arts, Science and Commerce
Sponsor of the event	Self-funded
Committee members	Mrs. Bindu (Biocon Academy) Dr. S.S Eeshwaran (Biocon Academy) Prof Nagarathna Amaresh (Principal) Dr. Vasanth K Bhaskara (Coordinator)
Name of the Resource Persons	Faculty of RCASC, RUAS, RMCH & Senior Consultants

Principal,

M.S. Ramaiah College of Arts, Science & Commerce
MSRIT Post, MSR Nagar
Bangalore - 560 054



Department of Chemistry & Biochemistry

EVENT REPORT

Objective of the Program: To promote industry readiness among life and chemical sciences graduates, it is vital to expose them to the ecosystem in pharma industry. This process can be achieved through proper skill enhancement by combined efforts from industry and academia. Recent efforts by National Skill Development Council (NSDC) and few Biotech organisations are working together in a promising way. Continuing the similar efforts for Batch – 3, QCA program has been conducted for students selected through all over India.

Status of MoU between MSRCASC and Biocon Academy:

MSRCASC, with a perspective to start a new certificate program on Quality Control Analytical (QCA) aspects in BioPharma Industry, was selected as 'education partner' with Biocon Academy with a 1-year probationary MoU on 19th February, 2019. After the successful conduction of first two batches of the training program, the MoU agreement has been extended till 2023 under the same terms and conditions.

Program Schedule & Outcomes:

This certificate program aims at providing specific job skills with emphasis on instrumentation and regulatory background to help the students to find appropriate employment in quality sector of pharmaceutical industries.

Outcomes:

Deliver: Duties

Execute: Regulatory guidelines

Operate: Instruments

Investigate: Purities and Impurities

Principal,
M.S. Ramaiah College of Arts, Science & Commerce
MSRIT Post, MSR Nagar
Bangalore - 560 054

SCHEDULE	MODULE
Week 1	Basic Toolkit
Week 2	Quality Management System
Week 3	Analytical Methods: Part-I: Spectral Methods
Week 4	Analytical Methods: Part-II: Chromatography (A)
Week 5	Analytical Methods: Part-III: Chromatography (B)
Week 6	Quality Analysis
Week 7	Stability Testing
Week 8	Hands-on Training – Thermo Fisher – IIT Mumbai

Total Planned = 50 Working Days X 8 effective hours = 400 hours

- Classroom teaching + Exams = ~135 hours
- Experiential learning = 160 hours
- Hands on training = 40 hours
- In-class activities = 45 hours
- Professional skill training = 20 hours


 Principal,
 M.S. Ramaiah College of Arts, Science & Commerce
 MSRIT Post, MSR Nagar
 Bangalore - 560 054

List of Resource Persons from RCASC, RUAS and RMCH:

#	Personnel	Affiliation	Duties Delivered
1	Prof. Nagarathna	RCASC	Chief Mentor
2	Dr. Vasantha Kumar Bhaskara	RCASC	Co-Ordinator of Bio-Ram QCA Batch-3 - 2021; student guidance; zoom sessions; delivering lectures, coordinating resource persons as per schedule; conducting student presentation sessions along with resource persons and evaluation
3	Dr. Naga Gireesh Bhojanala	RCASC	Moodle Co-Ordinator, organizing quizzes, assignments, conducting exams, delivering lectures and giving orientation
4	Mr. Uma Nandan Misra (40 Years of Industry Experience)	Dean, PTI Bangalore	Delivering Lectures
5	Ms. Lakshmi Achuta (Resource Person – 30 Years of Industry Experience)	Consultant, Ex-Biocon, Bangalore	Delivering Lectures
6	Dr. KNC Murthy	RMCH	Delivering Lectures
7	Dr. Asha K S	RCASC	Delivering Lectures
8	Dr. Aruna Kumari M L	RCASC	Delivering Lectures
9	Dr. Krishna Rao Jagarlamudi	RCASC	Delivering Lectures
10	Dr. Vemula Vani	RCASC	Delivering Lectures
11	Dr. Rajdurai M	RUAS	Delivering Lectures

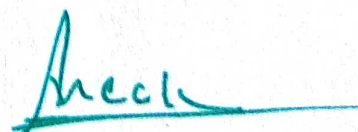

Principal,
M.S. Ramaiah College of Arts, Science & Commerce
MSRIT Post, MSR Nagar
Bangalore - 560 054

Student List

S.No	Name of the students
1	Ankita Bhandari
2	Anu Merry Thomas
3	Asha Nittu Benny
4	Bharati Dongare
5	Deepa Subhash
6	Haripriya K
7	Indumathi
8	Meera Joseph
9	Sathyapriya
10	Shrinidhi Hegde
11	Thanmai Ramayanam
12	Tulasi DP
13	Shrinivasan P
14	Shubham Shrivastava
15	Suhail VS
16	Sreelakshmi P J

Student from Ramaiah College of Arts, Science and Commerce (RMCH)

S.No	Name of the students	Course/Reg.No
1	TULASI D P	M.Sc Biochemistry (Reg #17KUSBM015)



Principal,
M.S. Ramaiah College of Arts, Science & Commerce
MSRIT Post, MSR Nagar
Bangalore - 560 054

Glimpse of Learning Management System (LMS) of QCA Batch-3 and Zoom Sessions of Lectures:

Ramaiah College of Arts, Science, and Commerce

Biocon-Ramaiah QCA_2021

Dashboard / My courses / BioRamQCA2021

Biocon Academy

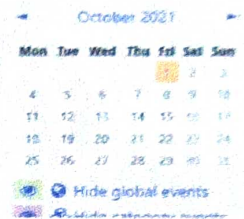


- Program Overview
- Modules and Chapters
- QCA_batch3_2021_Calendar
- Announcements

Ramaiah



Calendar



Navigation

- Dashboard
- Site home
- Site pages
- My courses
 - BioRamQCA2021
 - Participants
 - Badges
 - Competencies
 - Grades

Module 1/ June-28th-Mon to July 2nd Friday 2021/Basic Tool Kit

Basic Toolkit

Course outcome: Participants will get a clear knowledge on the role of quality function in the overall manufacturing value chain. By end of the course the participants will be ready to take up the specific courses training in the areas of quality control with knowledge on working practices and safety measures.

Content:

Ramaiah College of Arts, Science, and Commerce

Competencies

Grades

- General
- Module 1/ June-28th-Mon to July 2nd Friday 2021/Be...
- Module 2/ Mon 5th - Fri 9th July 2021/Quality Mana...
- Module 3/ Mon 12th - Fri 16th July 2021/Analytical...
- Module 4/ Mon 19th - Fri 23rd July 2021/Analytica...
- Module 5/ Mon 26th - Fri 30th July 2021/Analytica...
- Module 6/ Mon Aug 2 - Fri Aug 6th 2021/Quality Ye...
- Module 8/ Mon 16th - Fri 20th August 2021/Stabi...

All participants: 16/16

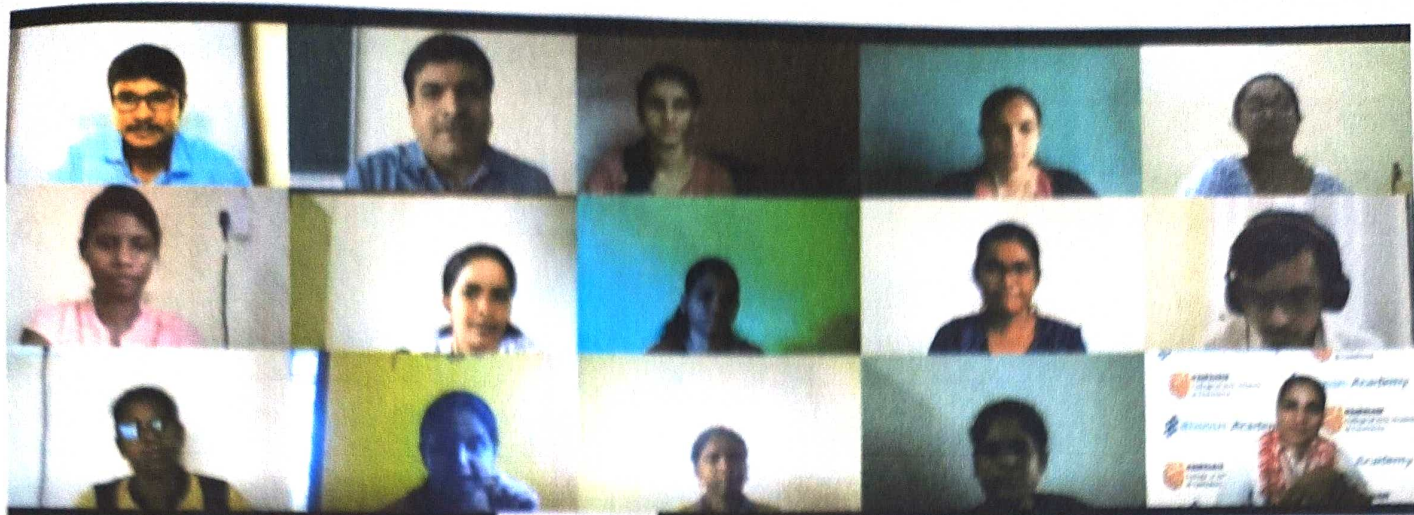
First name A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Surname A B C D E F G H I J K L M N O P Q R S T U V W X Y Z


First name / Surname	Username	Email address	Biocon-Ramaiah QCA_2021		
			Week 1 Quiz	Week 2 Quiz	Assignment 1
Ankita Ankita	ankita	ankbha101.students@bioconacademy.com	9.00	9.00	9.00
Anu Anu	anuanu	anutha.students@bioconacademy.com	8.00	9.00	8.00
Asha Asha	ashaasha	ashben.students@bioconacademy.com	8.50	7.67	9.50
Bharati Bharati	bharati	bhadon.students@bioconacademy.com	9.50	9.50	9.50
Deepa Deepa	deepa	deesub.students@bioconacademy.com	9.50	9.50	9.50
Haripriya Haripriya	haripriya	Haripk.students@bioconacademy.com	9.50	9.17	10.00
Indumathi Indumathi	indumathi	Indu101.students@bioconacademy.com	8.00	8.00	9.00
Meera Meera	meera	meejos.students@bioconacademy.com	9.50	9.00	9.50

Meera
Principal,


M.S. Ramaiah College of Arts, Science & Commerce
MSRIT Post, MSR Nagar
Bangalore - 560 054



Biocon Academy

 **Biocon Academy**
Adding Value. Enhancing Skills

Ramaiah

 **RAMAIAH**
College of Arts, Science & Commerce

BIOCON-RAMAIAH QCA TRAINING PROGRAM
BATCH-III
2021

MODULE-1: BASIC TOOL KIT

01-07-2021 (TUESDAY)
L5: PERSONAL PROTECTIVE EQUIPMENT (PPE)
L6: GOOD LABORATORY PRACTICE (GLP)

Resource Person: **Ms. LAKSHMI ACHUTA**
Strategic Advisor-Biotech, Pharmaceutical & Medical Devices
Bengaluru

02:34:27

Principal,
M.S. Ramaiah College of Arts, Science & Commerce
MSRIT Post, MSR Nagar
Bangalore - 560 054

Student's Screening, Recruitment and Placement:

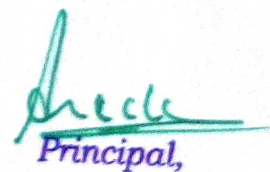
Biocon-Ramaiah Certificate program on Quality Control Analytical (QCA) for batch-3, 2021 has included total 16 number of students. Students from all over India with M.Sc Chemistry and M.Sc Biochemistry with minimum 6.8 GPA have applied and selected after two rounds of interviews, HR and technical rounds. After successful conduction of the training program, a recruitment drive has been conducted at Biocon and batch-3 has come up with 100% job placements for all the trainees in major pharma industries of India like Baxter, Biocon, Dr. Reddy's laboratories.

Finances – Consultancy Payments:

The QCA program costs 30,000 plus tax (40% cost of the program) for the complete duration of the program. Remaining 60% cost of the program is covered by Biocon Scholarship which is provided all the selected students.

As part of the MoU and Consultancy, RCASC receives 20,000/- per student and for the QCA Batch-3, the total payment of 3,77,600.00/- (Without Tax Deductions) has been received through direct NEFT transaction to the principal account of the college.

RCASC management has compensated all the resource persons involved in the program as per the norms and conditions.



Principal,
M.S. Ramaiah College of Arts, Science & Commerce
MSRIT Post, MSR Nagar
Bangalore - 560 054

**LIST OF RESOURCE PERSONS OF BIOCON RAMAIAH CERTIFICATE PROGRAM IN
QUALITY CONTROL ANALYTICAL (QCA)
BATCH-3 (25th June TO 28th Aug., 2021)**

	RESOURCE PERSONS	AFFILIATION
1	Dr. A Nagarathna (Chief Mentor)	MSRCASC
2	Dr. Vasanth K Bhaskara (Program Co-ordinator & Resource Person)	MSRCASC
3	Dr. Nagagireesh Bojanala (Dean of Sciences & Resource Person)	MSRCASC
4	Mr. Prasanna Kumar S. G (HoD, Department of Chemistry & Biochemistry)	MSRCASC
5	Mr. Uma Nandan Misra (Resource person - 40y Industry Experience)	Dean, PTI
6	Ms. Lakshmi Achuta (Resource person - 30y Industry Experience)	Ex-Biocon
7	Dr. KNC Murthy (Resource Person)	MSRMCH
8	Dr. Arunakumari ML (Resource Person)	MSRCASC
9	Dr. Asha KS (Resource Person)	MSRCASC
10	Dr. Krishna Rao Jagarlamudi (Resource Person)	MSRCASC
11	Dr. Vemula Vani (Resource Person)	MSRCASC
12	Dr. Rajdurai Murugan (Resource Person)	RUAS

Authorized Signatory,



SS.Easwaran,
Academic Dean.

Date: 15-005-2022

To,

Mr. Prasanna Kumar S G.

Associate Professo,

Head of the Department

M.S.Ramaiah College of Arts Science and Commerce

Bengaluru, INDIA.

Subject: Letter of Appreciation

Dear Prasanna Kumar S G

The Department of Chemistry at SJR College of Science, Arts and Commerce, Bengaluru-09 would like to thank you for being part of “**Faculty Exchange Program**” on 15th MAY 2022. Your talk on “ **Optical properties of nanomaterials using UV-Visible spectroscopy** ” for B.Sc IV sem students was thought provoking and informative. The students are enriched by your talk and we received good feedback. We appreciate you for spending your valuable time with us inspite of your busy schedule. We look forward to see your participation in our future events also.

Thank you and Best regards,



Dr. Mylarappa

Associate Professor, HOD

Head of the Department of Chemistry,

SJR College of Science, Arts and Commerce,

#9, Race Course Road, Bengaluru - 560 009.



Dr. S. Kantharaju

Principal, SJRC

PRINCIPAL

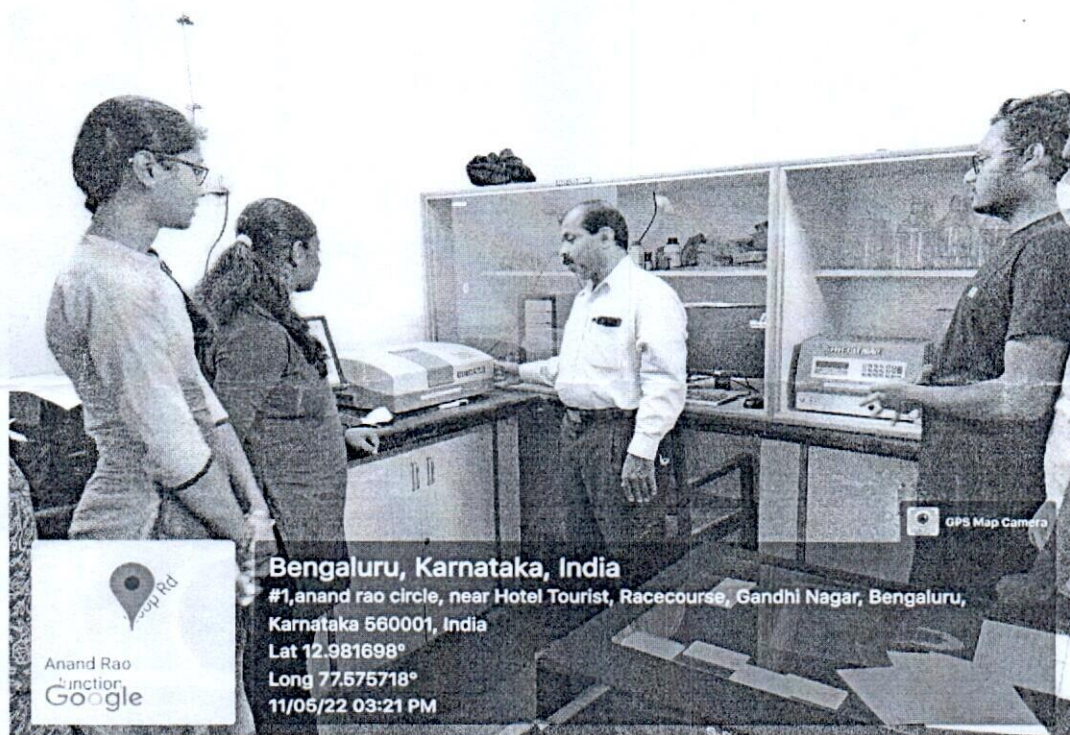
Sri Jagadguru Renukacharya College

of Science, Arts & Commerce

Bengaluru-560 009.

Faculty Exchange Program

The department of chemistry conducted Faculty exchange programme for BSc IV SEM students on 15.05.2022 at 2.30 pm 4 pm in the research laboratory on **Optical properties of nanomaterials using UV-Visible spectroscopy**. 10 students were participated in the exchange programme. The programme was started with the welcome speech by Dr.Mylarappa M, HOD of Chemistry. The resource person for the programme was **Mr. Prasanna Kumar S G**, Head of the Department, M.S.Ramaiah College of Arts Science and Commerce, Bengaluru, INDIA. His speech was delivered with respect to the handling of UV-Visible spectrophotometer for varous applications.



Mr.Prasanna kumar explaining the Instrumentation of UV-Visible spectroscopy


Head of the Department of Chemistry
SJR College of Science, Arts and Commerce,
9, Race Course Road, Bengaluru - 560 009.


PRINCIPAL
Sri Jagadguru Renukacharya College
of Science, Arts & Commerce
Bengaluru-560 009.

Date: 06-07-2022

To,

Dr. Bharath K Devendra.

Assistant Professor of Chemistry.

M.S.Ramaiah College of Arts Science and Commerce
Bengaluru, INDIA.

Subject: Letter of Appreciation

Dear Bharath K.

The Department of Chemistry at SJR College of Arts, Science and Commerce would like to thank you for being part of “**Faculty Exchange Program**” on 06th JULY 2022. Your talk on “**Synthesis of Nanomaterials by different methods**” for VI sem Students was very good and informative. The students are given positive feedback. We appreciate and thank you for spending your valuable time with us. We look forward to see your participation in our future events also.

Thank you and Best regards,

Dr. Mylarappa

Associate Professor, HOD

**Head of the Department of Chemistry
SJR College of Science, Arts and Commerce,
9, Race Course Road, Bengaluru - 560 009.**

Dr. S. Kantharaju

Principal, SJRC

**PRINCIPAL
Sri Jagadguru Renukacharya College
of Science, Arts & Commerce
Bengaluru-560 009.**