

**K.S.RANGASAMY COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS),**


**TIRUCHENGODE-637 215**

**Department of Microbiology**

**VALUE ADDED COURSE**

**Details for the Academic Year 2018-2019**

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PRINCIPAL  
K. S. Rangasamy College of Arts & Science  
(Autonomous)  
TIRUCHENGODE - 637 215  
Namakkal-Dt, Tamil Nadu, INDIA

**K.S.RANGASAMY COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)**

**TIRUCHENGODE- 637 215**

**DEPARTMENT OF MICROBIOLOGY**

**VALUE ADDED COURSE**

The Department of Microbiology is established in the year 1995 by offering UG, PG and research programmes. The college has been promoted as Autonomous institution in the year 2009 and the Department offers many courses based on the local, regional and global need. The Microbiology Department offers certificate courses for other Department students. The certificate courses offered by the Department are

Basics of Microbiology (Odd semester) and

Beneficial Microbes in Human Health (Odd Semester)


Duration of the certificate course- 30 Hours/ Semester

Basics of Microbiology deal with the history and developments in Microbiology. Principles and applications of various microbiological techniques provide platform to establish diagnostic labs. It also covers with the elimination of microbes and antimicrobial chemotherapy. The objective of the course is to provide basic microbiological knowledge to the student society thereby make them to achieve healthy environment.

Understanding the beneficiary role of microorganisms provide entrepreneurial ship. Their nutritive value and compatible nature contributes more self employment. It also provides therapeutic knowledge for effective disease management in current scenario. The aim of the course render the technical skills to establish small scale industries.

At the end of the certificate course, a certificate will be issued to the participants.

  
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K. S. Rangasamy College of Arts & Science  
(Autonomous)  
TIRUCHENGODE - 637 215  
Tamil Nadu.

  
HEAD  
Department of Microbiology  
K.S.Rangasamy College of Arts & Science  
(Autonomous),  
TIRUCHENGODE - 637 215.



**K.S.Rangasamy College of Arts and Science (Autonomous)**

NAAC Reaccredited and an ISO Certified Institution

Affiliated to Periyar University, Salem

Included under 2(f) & 12(B) of UGC Act, 1956

KSR Kalvi Nagar, Tiruchengode- 637 215

Namakkal District, Tamil Nadu, India

## Value Added Courses Offered by Microbiology Department



**Academic Year 2018- 2019**

**COURSE NAME**

**SEMESTER**

**Basics in Microbiology**


-


**ODD**

Reach us @ [www.ksrcas.edu](http://www.ksrcas.edu)

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Namakkal-Dt. Tamil Nadu, INDIA

<b>18MBCC02</b>	<b>BASICS IN MICROBIOLOGY</b>	<b>SEMESTER : ODD</b>
<b>Course Objectives:</b>		
The course aims		
<ul style="list-style-type: none"> <li>To understand the beneficiary role of microorganisms that provides entrepreneurship.</li> </ul>		
<b>Total Hours: 30</b>		
<b>UNIT</b>	<b>CONTENTS</b>	<b>Hrs of Execution</b>
I	<b>Introduction to Microbiology:</b> Scope and historical developments in Microbiology. General properties of microorganisms-bacteria, virus, fungi, algae and protozoan.	06
II	<b>Microscopy:</b> Definition, parts, handling and maintenance of compound microscope.	06
III	<b>Staining:</b> Types of stains. simple staining, differential staining	06
IV	<b>Sterilization:</b> Physical and chemical sterilization	06
V	<b>Chemotherapy:</b> Kirby Bauer technique-well and disk diffusion method. Phenol coefficient method.	06
<b>Text Book:</b>		
1.	Lancing M Prescott, John P Harley and Donald A Klein. 2010. Microbiology (Eighth Edition), Mc GrawHill, New York.	

  
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 K. S. Rangasamy College of Arts & Science  
 Tiruchengode - Dt. Tamil Nadu, INDIA

  
 HEAD  
 Department of Microbiology  
 K.S.Rangasamy College of Arts & Science  
 (Autonomous),  
 TIRUCHENGODE - 637 215.

**K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode-637 215**

**Department of Microbiology**

**Circular**

Date: 28.08.2018


From	To
The Head	All HOD's
Department of Microbiology	Students of All Departments

Our Department has planned to conduct a certificate course on "Basics in Microbiology" in this semester. Total duration of this course is 30 hours. The course starts from 1<sup>st</sup> September and ends by October. Students who are all interested may enroll their name to the course coordinator. The certificate course will be conducted after the class hours (4:15 PM to 5.15 PM). At the end of the course, certificate will be issued.

Students are advised to meet the following staff for registration.

Dr. L. Ramkumar,  
Course Coordinator,  
Department of Microbiology,  
KSRCAS

  
Staff In-charge Signature

  
Head of the Department

HEAD  
Department of Microbiology  
K.S.Rangasamy College of Arts & Science  
(Autonomous),  
TIRUCHENGODE - 637 215.

  
Principal

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Nimakkal-Dt. Tamil Nadu

K.S.Rangasamy College of Arts and Science (Autonomous)

Tiruchengode 637 215

DEPARTMENT OF MICROBIOLOGY

Course Name : Basics in Microbiology


Course Code : 16MBCC01

WILLING STUDENT LIST

S.No	Reg.No	Student Name	Signature
1	17UBC004	AMUTHA VALLI S	S. Am
2	17UBC009	DEVI KARUNAA G M	G. M. devikaruna
3	17UBC018	JANANI R	R. Janani
4	17UBC029	NARMATHA DEVI V	V. Narmatha Devi
5	17UBT006	ARUL ARTAI S	S. AA
6	17UBT014	DEEPIGA V	V. Deepika
7	17UBT018	DHARUN S K	S. R. Dhruv
8	17UBT037	JANARTHANAN P	P. Janarthanan
9	17UBT045	LOGESWARI M	Logeshwari M
10	17UBT052	MONICA B	Monica B
11	17UBT053	NANDHINI N	Nandhini N
12	17UBT062	PRABITHIKA R	Prabithika R
13	17UBT087	SUGANYA P	P. Suganya
14	17UBT098	YOGESH V	V. Yogesh
15	17UCA027	DEVA V	Deva V
16	17UCA048	GOWTHAMI S M	Gowthami M
17	17UCA058	KAMALI K	K. Kamali
18	17UCA071	KEERTHIVASAN S	Keerthivasan S
19	17UCA073	KIRUTHIKA S	S. Kiruthika
20	17UCA074	KOKILA C	Kokila C
21	17UCA077	LATHIKA SRI P	Lathika Sri P
22	17UCA096	NAVEEN M	M. Naveen
23	17UCA107	PAVITHRA K	Pavithra K
24	17UCA108	PAVITHRA M	Pavithra M
25	17UCA140	SANDHIYA S	Sandhya S
26	17UCA160	SHANMUGA SIVANESAN R	Shanmuga Sivasan R

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27	17UCA173	SRUTHI S	Sruthi S
28	17UCA175	SUBASHINI S	Subashini S
29	17UCA179	SUTI RUFEEENA A	Suti Rufeena A
30	17UCA200	VIMAL R	Vimal R
31	17UCC126	PUSHPARAJ S	Pushparaj S
32	17UCC135	RAMESH S	Ramesh S
33	17UCC157	SHAKE USMAN M	M. Shake Usman
34	17UCH012	HARI KRISHNAN K	Hari Krishnan K
35	17UCH021	MANAS N	Manas N
36	17UCH022	MONISHA M	M. Monisha
37	17UCH028	PRAGATHI R	Pragathi R
38	17UCH036	ROHENI PRIYA S	Rohini Priya S
39	17UCH040	SARMILA R	Sarmi R
40	17UCS068	HARISH S	Harish S
41	17UCS072	ISWARYA P	P. Iswarya
42	17UCS123	NANDHINI S	Nandhini S
43	17U <sup>E</sup> L003	DAFFNIN JEEVAN J	J. Daffnin Jeevan
44	17U <sup>E</sup> L007	DINESH KUMAR R	R. Dinesh Kumar
45	17U <sup>E</sup> L024	MANIKANDAN M	M. Manikandan
46	17U <sup>E</sup> L033	SATHISHKUMAR R	R. Sathish Kumar
47	17UMA015	DHARANI DEVI D	Dharani Devi D
48	17UMA017	DHARANI K	K. Dharani
49	17UMA065	MOBISH S	Mobish S
50	17UMA128	THIRUMURUGAN J	J. Thirumurugan
51	17UMA131	VASUNDHRA S	S. Vasundhara

  
22/08/19  
Course Co-ordinator

PRINCIPAL  
K. S. Rangasamy College of Arts & Science  
(Autonomous)  
TIRUCHENGODE - 637 215  
Namakkal-Dt. Tamil Nadu, INDIA

  
22/08/19  
Head of the Department

S.No.	Reg. No.	Student Name	SEPTEMBER-2018														
			03	05	06	07	10	11	13	15	17	18	19	21	24	26	28
1	17UBC004	AMUTHA VALLIS	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	17UBC009	DEVI KARUNAA GM	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3	17UBC018	JANANI R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4	17UBC029	NARMATHA DEVI V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	17UBT006	ARUL ARTAI S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6	17UBT014	DEEPIGA V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	17UBT018	DHARUN S K	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	17UBT037	JANARTHANAN P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9	17UBT045	LOGESWARIM	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10	17UBT052	MONICA B	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	17UBT053	NANDHINI N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	17UBT062	PRABITHIKA R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
13	17UBT087	SUGANYA P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
14	17UBT098	YOGESH V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
15	17UCA027	DEVA V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
16	17UCA048	GOWTHAMI S M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
17	17UCA058	KAMALI K	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
18	17UCA071	KEERTHIVASAN S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
19	17UCA073	KIRUTHIKA S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
20	17UCA074	KOKILA C	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
21	17UCA077	LATHIKA SRIP	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
22	17UCA096	NAVEEN M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
23	17UCA107	PAVITHRA K	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
24	17UCA108	PAVITHRA M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

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M. Subbaraj, Tiruchengode, INDIA





DEPARTMENT OF MICROBIOLOGY

Course Name : Basics in Microbiology

Course Code: 16MBC001

S.No.	Reg. No.	Student Name	OCTOBER - 2018														
			01	02	04	05	06	08	10	12	15	17	19	22	24	26	30
1	17UBC004	AMUTHA VALLI S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	17UBC009	DEVI KARUNAA G M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3	17UBC018	JANANI R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4	17UBC029	NARMATHA DEVI V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	17UBT006	ARUL ARTAI S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6	17UBT014	DEEPIGA V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	17UBT018	DHARUN S K	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	17UBT037	JANARTHANAN P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9	17UBT045	LOGESWARIM	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10	17UBT052	MONICA B	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	17UBT053	NANDHINI N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	17UBT062	PRABITHIKA R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
13	17UBT087	SUGANYA P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
14	17UBT098	YOGESH V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
15	17UCA027	DEVA V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
16	17UCA048	GOWTHAMI S M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
17	17UCA058	KAMALI K	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
18	17UCA071	KEERTHIVASAN S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
19	17UCA073	KIRUTHIKA S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
20	17UCA074	KOKILA C	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
21	17UCA077	LATHIKA SRI P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
22	17UCA096	NAVEEN M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
23	17UCA107	PAVITHRA K	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
24	17UCA108	PAVITHRA M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

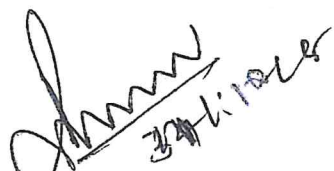
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Tiruchengode - 637 215



MARK STATEMENT

S.No	Reg.No	Student Name	Assign 1 10	Assign II 10	Test 75	Att (%)	Attend 5	Total 100
1	17UBC004	AMUTHA VALLI S	10	10	43	100	5	68
2	17UBC009	DEVI KARUNAA G M	10	10	50	100	5	75
3	17UBC018	JANANI R	10	10	41	100	5	66
4	17UBC029	NARMATHA DEVI V	9	10	33	100	5	57
5	17UBT006	ARUL ARTAI S	10	10	55	100	5	80
6	17UBT014	DEEPIGA V	10	10	55	100	5	80
7	17UBT018	DHARUN S K	10	10	42	100	5	67
8	17UBT037	JANARTHANAN P	10	10	46	100	5	71
9	17UBT045	LOGESWARI M	10	10	64	100	5	89
10	17UBT052	MONICA B	10	9	61	100	5	85
11	17UBT053	NANDHINI N	10	10	64	100	5	89
12	17UBT062	PRABITHIKA R	10	10	66	100	5	91
13	17UBT087	SUGANYA P	10	10	34	100	5	59
14	17UBT098	YOGESH V	10	10	52	100	5	77
15	17UCA027	DEVA V	10	10	35	100	5	60
16	17UCA048	GOWTHAMI S M	10	10	52	100	5	77
17	17UCA058	KAMALI K	10	10	35	100	5	60
18	17UCA071	KEERTHIVASAN S	10	10	42	100	5	67
19	17UCA073	KIRUTHIKA S	9	10	51	100	5	75
20	17UCA074	KOKILA C	10	10	56	100	5	81
21	17UCA077	LATHIKA SRI P	10	10	35	100	5	60
22	17UCA096	NAVEEN M	10	8	35	100	5	58
23	17UCA107	PAVITHRA K	9	10	58	100	5	82
25	17UCA140	SANDHIYA S	10	10	45	100	5	70
26	17UCA160	SHANMUGA SIVANESAN R	10	10	40	100	5	65
27	17UCA173	SRUTHI S	10	10	54	100	5	79

28	17UCA175	SUBASHINI S	10	10	51	92	4	75
29	17UCA179	SUTI RUFEENA A	10	10	41	100	5	66
30	17UCA200	VIMAL R	10	10	45	93	4	69
31	17UCC126	PUSHPARAJ S	9	10	37	100	5	61
32	17UCC135	RAMESH S	10	9	35	100	5	59
33	17UCC157	SHAKE USMAN M	10	10	45	100	5	70
34	17UCH012	HARI KRISHNAN K	10	10	56	100	5	81
35	17UCH021	MANAS N	9	10	60	100	5	84
36	17UCH022	MONISHA M	10	9	52	100	5	76
37	17UCH028	PRAGATHI R	8	10	61	100	5	84
38	17UCH036	ROHENI PRIYA S	10	10	60	100	5	85
39	17UCH040	SARMILA R	10	10	45	100	5	70
40	17UCS068	HARISH S	10	10	35	98	5	60
41	17UCS072	ISWARYA P	10	10	42	100	5	67
42	17UCS123	NANDHINI S	10	10	56	100	5	81
43	17UBL003	DAFFNIN JEEVAN J	10	10	58	100	5	83
44	17UBL007	DINESH KUMAR R	10	10	48	100	5	73
45	17UBL024	MANIKANDAN M	10	10	44	92	4	68
46	17UBL033	SATHISHKUMAR R	10	9	37	100	5	61
47	17UMA015	DHARANI DEVI D	9	10	60	100	5	84
48	17UMA017	DHARANI K	10	9	44	100	5	68
49	17UMA065	MOBISH S	10	10	48	91	4	72
50	17UMA128	THIRUMURUGAN J	10	10	54	100	5	79
51	17UMA131	VASUNDHRA S	10	10	52	100	5	77



Course Co-ordinator


  
 PRINCIPAL  
 K. S. Rangasamy College of Arts & Science  
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 TIRUCHENGODE - 637 215  
 Namakkal-Dt, Tamil Nadu, INDIA

  
 Head of the Department

**K.S.Rangasamy College of Arts and Science (Autonomous),  
Tiruchengode- 637 215  
Value Added Course-Basics in Microbiology- Feedback  
2018-2019**

This value added courses provide knowledge about basic concepts and applications of Microbiology. Totally, 51 participants were attended from various disciplines of UG second year students of Literature, Arts, Basic and Life Sciences. They actively attended and learned the course contents. They knew about the basics of microbes and microscopy. They explored more information about the sterilization techniques. They really took pleasure in mode of action of antibiotics against pathogens. They were excited to gain more technical skills. Finally, many of them appreciate the course and showed interest in know about advancements of microbiology.

  
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TIRUCHENGODE - 637 215  
Namakkal-Dt. Tamil Nadu. INDIA

  
HEAD  
Department of Microbiology  
K.S.Rangasamy College of Arts & Science  
(Autonomous),  
TIRUCHENGODE - 637 215.



**K.S. RANGASAMY COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS),**

Re-Accredited by NAAC; An ISO 9001:2008 certified Institution,

KSR Kalvi Nagar, Tiruchengode -637 215, Tamil Nadu.

## *Certificate*

This is to certify that AMUTHA VALLIS of B.Sc. BC has completed a Value Added Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the Department of Microbiology, K.S. Rangasamy College of Arts & Science (Autonomous), Tiruchengode.

Dr. L. Ramkumar

Course Co-ordinator

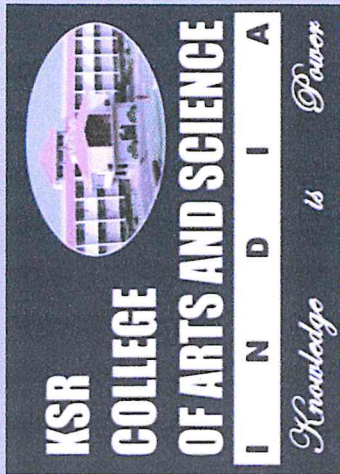
Mr. K. S. Shanmugam

Head of the Department

Dr. V. Radhakrishnan

Principal

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Namakkal-637, Tamil Nadu.



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KSR Kalvi Nagar, Tiruchengode -637 215, Tamil Nadu.

## Certificate

This is to certify that DEVI KARUNAA of B.Sc., BC has completed a Value Added Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the Department of Microbiology, K.S. Rangasamy College of Arts & Science (Autonomous), Tiruchengode.

Dr.L.Ramkumar

Course Co-ordinator

Mr.K.S.Shanmugam

Head of the Department

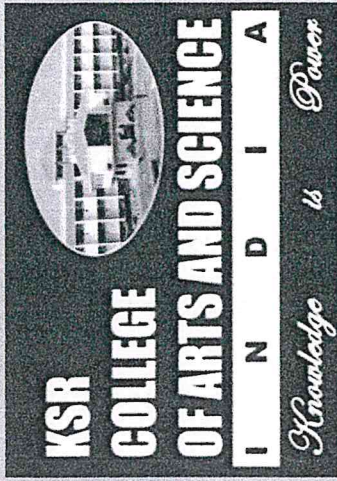
Dr.V.Radhakrishnan

Principal

PRINCIPAL  
K. S. Rangasamy College of Arts & Science  
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**KSR Kalvi Nagar, Tiruchengode -637 215, Tamil Nadu.**

## *Certificate*

This is to certify that JANANI R of II - BSC BC has completed a Value Added Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the *Department of Microbiology, K.S. Rangasamy College of Arts & Science (Autonomous), Tiruchengode.*



**Dr.L.Ramkumar**

**Course Co-ordinator**



**Mr.K.S.Shanmugam**

**Head of the Department**



**Dr.V.Radhakrishnan**

**Principal**



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## *Certificate*

This is to certify that NARMAPHA DEVI V of BBCBC has completed a Value Added Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the *Department of Microbiology, K.S. Rangasamy College of Arts & Science (Autonomous), Tiruchengode.*



Dr.L.Ramkumar

Course Co-ordinator



Mr.K.S.Shanmugam

Head of the Department



Dr.V.Radhakrishnan

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## *Certificate*

This is to certify that ARUL ARTAS S of II-BSc BT has completed a Value Added Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the Department of Microbiology, K.S. Rangasamy College of Arts & Science (Autonomous), Tiruchengode.

**Dr.L.Ramkumar**

**Course Co-ordinator**

**Mr.K.S.Shanmugam**

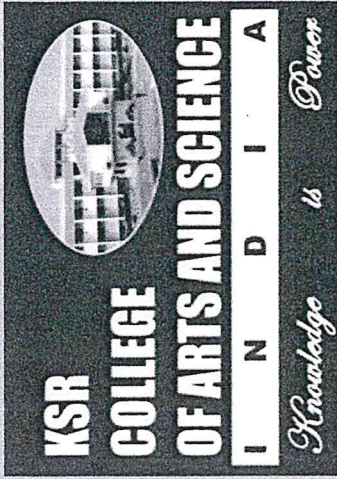
**Head of the Department**

**Dr.V.Radhakrishnan**

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## *Certificate*

This is to certify that DEEPIKA V of J-BSC BT has completed a Value Added Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the *Department of Microbiology, K.S. Rangasamy College of Arts & Science (Autonomous), Tiruchengode.*



**Dr.L.Ramkumar**

**Course Co-ordinator**



**Mr.K.S.Shanmugam**

**Head of the Department**



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This is to certify that     DHARUN S K     of     II-B.Sc BT     has completed a Value Added Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the Department of Microbiology, K.S. Rangasamy College of Arts & Science (Autonomous), Tiruchengode.

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**Course Co-ordinator**

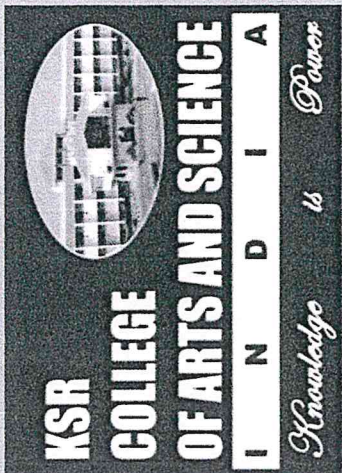
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**Head of the Department**

**Dr.V.Radhakrishnan**

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This is to certify that JANARTHANAN P of B.Sc BT has completed a Value Added Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the Department of Microbiology, K.S. Rangasamy College of Arts & Science (Autonomous), Tiruchengode.

  
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 Course Co-ordinator

  
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This is to certify that LOGESHWARTH M of II-BSc BT has completed a Value Added Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the Department of Microbiology, K.S. Rangasamy College of Arts & Science (Autonomous), Tiruchengode.

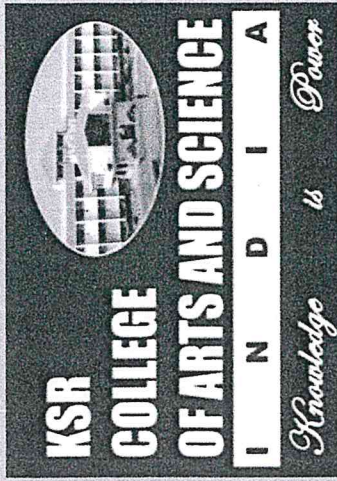
  
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Course Co-ordinator

  
Mr.K.S.Shanmugam  
Head of the Department

  
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## Certificate

This is to certify that MONICA B of B.Sc BT has completed a Value Added Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the Department of Microbiology, K.S. Rangasamy College of Arts & Science (Autonomous), Tiruchengode.



Dr.L.Ramkumar

Course Co-ordinator



Mr.K.S.Shanmugam

Head of the Department



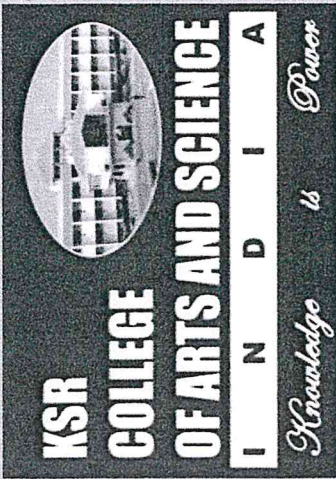
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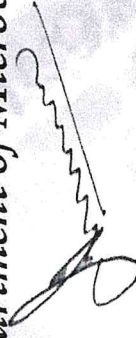
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## *Certificate*

This is to certify that NANDHINI N of B.T has completed a Value Added Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the Department of *Microbiology, K.S. Rangasamy College of Arts & Science (Autonomous), Tiruchengode.*

  
Dr.L.Ramkumar

Course Co-ordinator

  
Mr.K.S.Shanmugam

Head of the Department

Dr.V.Radhakrishnan

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## Certificate

This is to certify that PRABITHIKA R of B.Sc. BT has completed a Value Added Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the Department of Microbiology, K.S. Rangasamy College of Arts & Science (Autonomous), Tiruchengode.



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This is to certify that SUBHANYA P of II-Bsc BI has completed a Value Added  
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Dr.L.Ramkumar

Course Co-ordinator

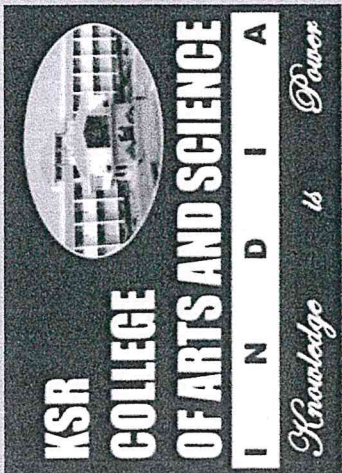
Mr.K.S.Shanmugam

Head of the Department

Dr.V.Radhakrishnan

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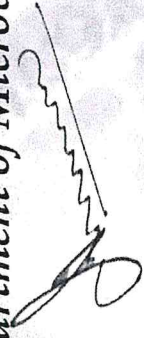
Principal,  
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This is to certify that YOGESH V of II-BSC BI has completed a Value Added Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the Department of Microbiology, K.S. Rangasamy College of Arts & Science (Autonomous), Tiruchengode.

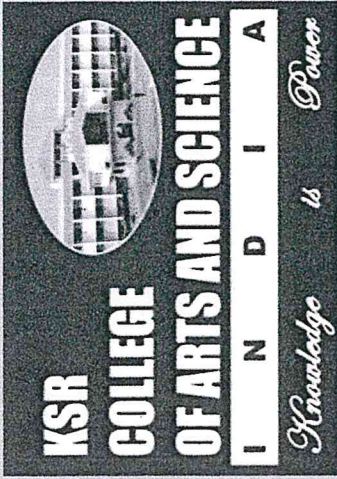
  
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Course Co-ordinator

  
Mr.K.S.Shanmugam  
Head of the Department

  
Dr.V.Radhakrishnan  
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This is to certify that DEVA V of J.B.COM.CA has completed a Value Added

Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the

*Department of Microbiology, K.S. Rangasamy College of Arts & Science (Autonomous), Tiruchengode.*

**Dr.L.Ramkumar**

**Course Co-ordinator**

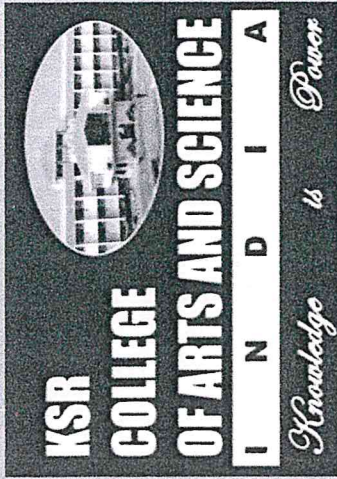
**Mr.K.S.Shanmugam**

**Head of the Department**

**Dr.V.Radhakrishnan**

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This is to certify that GIOWTHAMI SM of II - BCA has completed a Value Added Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the Department of Microbiology, K.S. Rangasamy College of Arts & Science (Autonomous), Tiruchengode.

**Dr.L.Ramkumar**

**Course Co-ordinator**

**Mr.K.S.Shanmugam**

**Head of the Department**

**Dr.V.Radhakrishnan**

**Principal**

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## *Certificate*

This is to certify that KAMALI K of II - BCA has completed a Value Added Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the Department of Microbiology, K.S. Rangasamy College of Arts & Science (Autonomous), Tiruchengode.

Dr.L.Ramkumar

Course Co-ordinator

Mr.K.S.Shanmugam

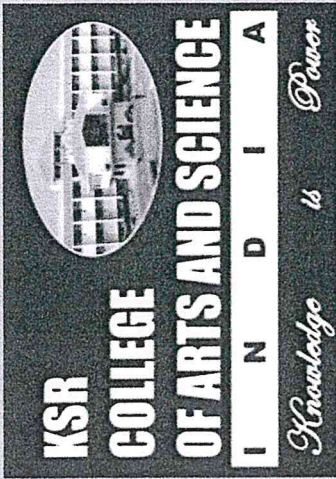
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Dr.V.Radhakrishnan

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## Certificate

This is to certify that KEERTHIVASAN S of II - BCA has completed a Value Added Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the Department of Microbiology, K.S. Rangasamy College of Arts & Science (Autonomous), Tiruchengode.

Dr.L.Ramkumar

Course Co-ordinator

Mr.K.S.Shanmugam

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Dr.V.Radhakrishnan

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## Certificate

This is to certify that KIRUTHIKA S of Ji-BCA has completed a Value Added  
Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the  
*Department of Microbiology, K.S. Rangasamy College of Arts & Science (Autonomous), Tiruchengode.*



Dr.L.Ramkumar

Course Co-ordinator



Mr.K.S.Shanmugam

Head of the Department

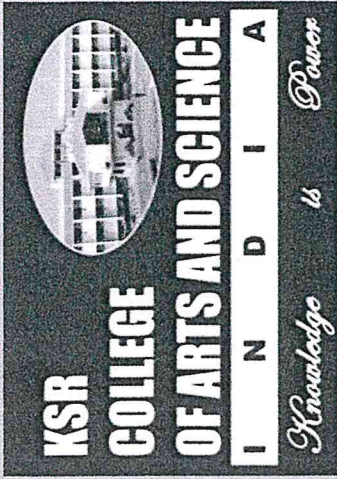


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## *Certificate*

This is to certify that KOKILA C of II - BCA has completed a Value Added  
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Dr.L.Ramkumar

Course Co-ordinator

Mr.K.S.Shanmugam

Head of the Department

Dr.V.Radhakrishnan

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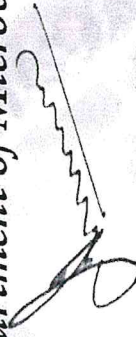
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This is to certify that JATHIKA SRI P of J-BCA has completed a Value Added Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the *Department of Microbiology, K.S. Rangasamy College of Arts & Science (Autonomous), Tiruchengode.*



**Dr.L.Ramkumar**

**Course Co-ordinator**



**Mr.K.S.Shanmugam**

**Head of the Department**



**Dr.V.Radhakrishnan**

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This is to certify that NAVEEN M of II - BCA has completed a Value Added Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the *Department of Microbiology, K.S. Rangasamy College of Arts & Science (Autonomous), Tiruchengode.*



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**Course Co-ordinator**



**Mr.K.S.Shanmugam**

**Head of the Department**



**Dr.V.Radhakrishnan**

**Principal**



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This is to certify that PAVITHRA K of II-BCA has completed a Value Added Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the Department of Microbiology, K.S. Rangasamy College of Arts & Science (Autonomous), Tiruchengode.

Dr.L.Ramkumar

Course Co-ordinator

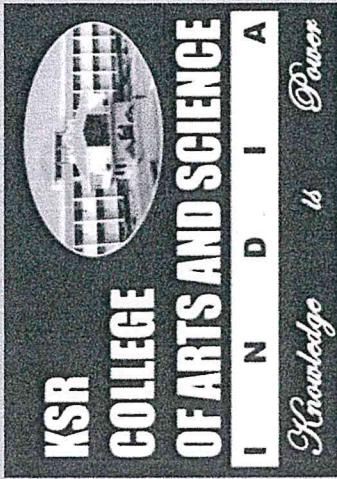
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Head of the Department

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Dr.L.Ramkumar

Course Co-ordinator

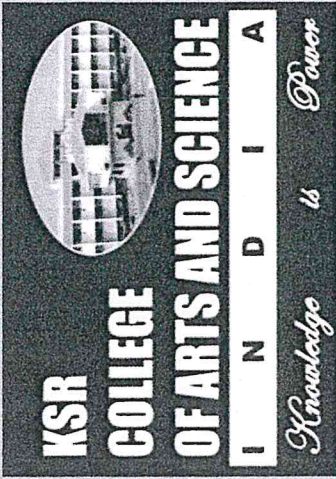
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## Certificate

This is to certify that SANDHIYA S of II-BCA has completed a Value Added Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the Department of Microbiology, K.S. Rangasamy College of Arts & Science (Autonomous), Tiruchengode.

Dr. L. Ramkumar

Course Co-ordinator

Mr. K.S. Shanmugam

Head of the Department

Dr. V. Radhakrishnan

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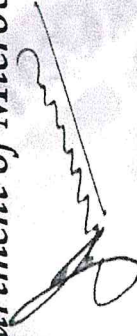
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## Certificate

This is to certify that SHANMUGA SIVANESAN R of B.A has completed a Value Added Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the Department of Microbiology, K.S. Rangasamy College of Arts & Science (Autonomous), Tiruchengode.



Dr.L.Ramkumar

Course Co-ordinator



Mr.K.S.Shanmugam

Head of the Department



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## *Certificate*

This is to certify that SRUTHI S of B - BCA has completed a Value Added Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the Department of Microbiology, K.S. Rangasamy College of Arts & Science (Autonomous), Tiruchengode.

Dr.L.Ramkumar

Course Co-ordinator

Mr.K.S.Shanmugam

Head of the Department

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## *Certificate*

This is to certify that SURASHINI S of II-BCA has completed a Value Added Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the Department of Microbiology, K.S. Rangasamy College of Arts & Science (Autonomous), Tiruchengode.

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Course Co-ordinator

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This is to certify that SUTHI RUFFENA A of Ji-BCA has completed a Value Added Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the Department of Microbiology, K.S. Rangasamy College of Arts & Science (Autonomous), Tiruchengode.

Dr.L.Ramkumar

Course Co-ordinator

Mr.K.S.Shanmugam

Head of the Department

Dr.V.Radhakrishnan

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This is to certify that VIMAL R of II BCA has completed a Value Added  
Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the  
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Dr.L.Ramkumar

Course Co-ordinator



Mr.K.S.Shanmugam

Head of the Department

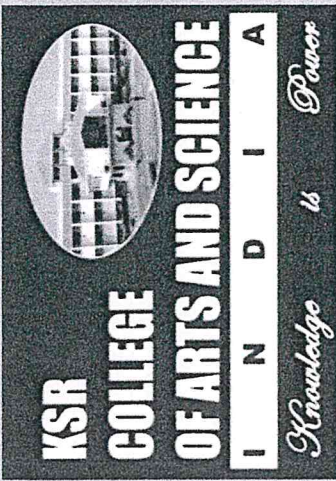


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## *Certificate*

This is to certify that PUSHPARAJ S of II - B.COM (A) has completed a Value Added  
Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the  
*Department of Microbiology, K.S. Rangasamy College of Arts & Science (Autonomous), Tiruchengode.*

Dr.L.Ramkumar

Course Co-ordinator

Mr.K.S.Shanmugam

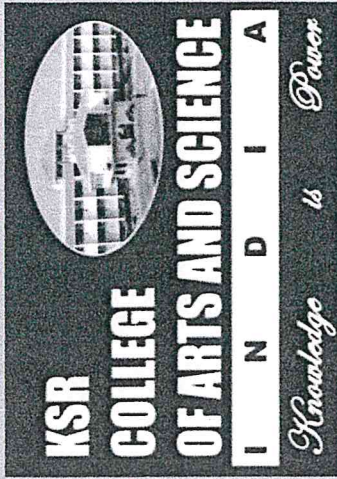
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This is to certify that RAMESH S of I - BCOM/CA has completed a Value Added Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the Department of Microbiology, K.S. Rangasamy College of Arts & Science (Autonomous), Tiruchengode.

Dr.L.Ramkumar

Course Co-ordinator

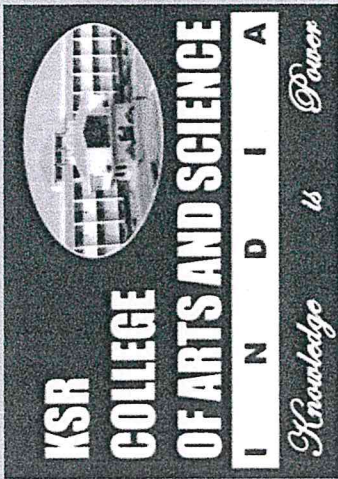
Mr.K.S.Shanmugam

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This is to certify that SHAKE USMAN M of I B COM CA has completed a Value Added Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the *Department of Microbiology, K.S. Rangasamy College of Arts & Science (Autonomous), Tiruchengode.*

**Dr.L.Ramkumar**

**Course Co-ordinator**

**Mr.K.S.Shanmugam**

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This is to certify that HARI KRISHNAN K of II-BSc CH has completed a Value Added Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the Department of Microbiology, K.S. Rangasamy College of Arts & Science (Autonomous), Tiruchengode.



**Dr.L.Ramkumar**

**Course Co-ordinator**



**Mr.K.S.Shanmugam**

**Head of the Department**



**Dr.V.Radhakrishnan**

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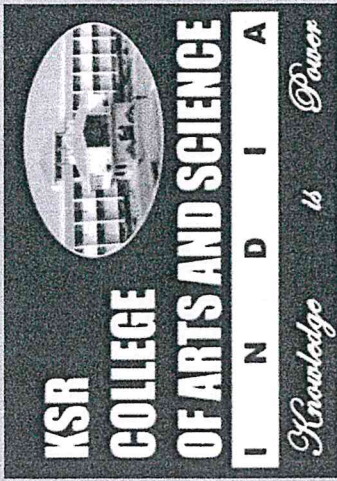
This is to certify that MANAS N of B.Sc CH has completed a Value Added  
Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the  
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Course Co-ordinator

  
Mr.K.S.Shanmugam  
Head of the Department

  
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This is to certify that MONISHA M of TBSC CH has completed a Value Added Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the Department of Microbiology, K.S. Rangasamy College of Arts & Science (Autonomous), Tiruchengode.

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This is to certify that PRAGATHI R of II-B.Sc CH has completed a Value Added Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the Department of Microbiology, K.S. Rangasamy College of Arts & Science (Autonomous), Tiruchengode.



Dr.L.Ramkumar

Course Co-ordinator



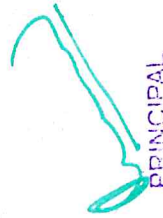
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This is to certify that ROHINI PRIYA S of B.Sc CH has completed a Value Added Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the Department of Microbiology, K.S. Rangasamy College of Arts & Science (Autonomous), Tiruchengode.

Dr.L.Ramkumar

Course Co-ordinator

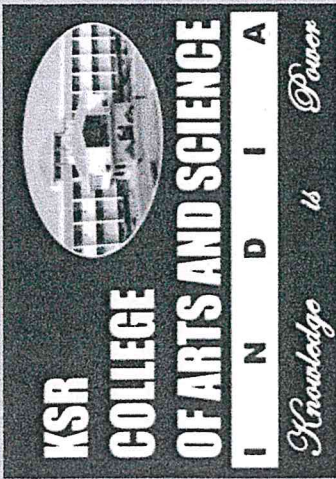
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This is to certify that SARMIJA R of IBSC CH has completed a Value Added Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the Department of Microbiology, K.S. Rangasamy College of Arts & Science (Autonomous), Tiruchengode.

**Dr. L. Ramkumar**

**Course Co-ordinator**

**Mr. K.S. Shanmugam**

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This is to certify that HARISH S of II-BSC CS has completed a Value Added Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the Department of Microbiology, K.S. Rangasamy College of Arts & Science (Autonomous), Tiruchengode.

**Dr.L.Ramkumar**

**Course Co-ordinator**

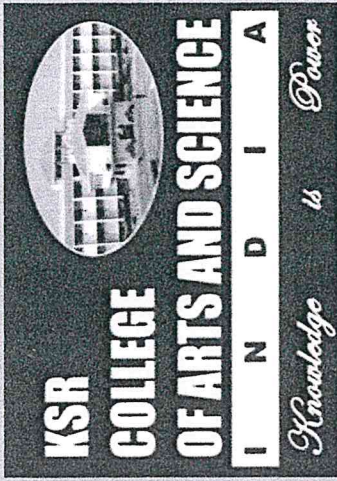
**Mr.K.S.Shanmugam**

**Head of the Department**

**Dr.V.Radhakrishnan**

**Principal**

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This is to certify that ISWARYA P of B.Sc CS has completed a Value Added Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the Department of Microbiology, K.S. Rangasamy College of Arts & Science (Autonomous), Tiruchengode.

Dr.L.Ramkumar

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This is to certify that NANDHINI S of IRSC CS has completed a Value Added Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the Department of Microbiology, K.S. Rangasamy College of Arts & Science (Autonomous), Tiruchengode.



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This is to certify that DAFFNIN JEEVAN T of I - Bsc.FL has completed a Value Added Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the Department of Microbiology, K.S. Rangasamy College of Arts & Science (Autonomous), Tiruchengode.



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## *Certificate*

This is to certify that DINESH KUMAR R of II - BSC EL has completed a Value Added Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the *Department of Microbiology, K.S. Rangasamy College of Arts & Science (Autonomous), Tiruchengode.*

Dr.L.Ramkumar

Course Co-ordinator

Mr.K.S.Shanmugam

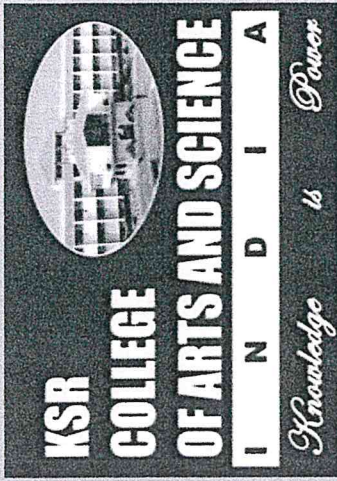
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This is to certify that MANIKANDAN M of B.Sc EL has completed a Value Added Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the Department of Microbiology, K.S. Rangasamy College of Arts & Science (Autonomous), Tiruchengode.



Dr.L.Ramkumar

Course Co-ordinator



Mr.K.S.Shanmugam

Head of the Department



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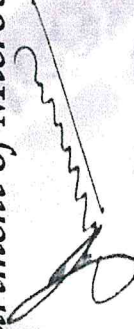
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This is to certify that SATHISKUMAR R of BSC FL has completed a Value Added Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the Department of Microbiology, K.S. Rangasamy College of Arts & Science (Autonomous), Tiruchengode.



Dr.L.Ramkumar

Course Co-ordinator



Mr.K.S.Shanmugam

Head of the Department



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This is to certify that     DHARANI DEVI D     of     B.Sc MA     has completed a Value Added Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the Department of Microbiology, K.S. Rangasamy College of Arts & Science (Autonomous), Tiruchengode.

Dr.L.Ramkumar

Course Co-ordinator

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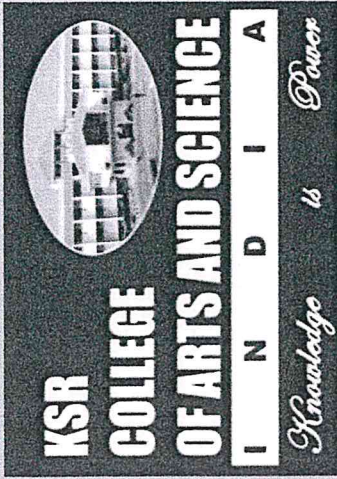
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Course Co-ordinator

Mr.K.S.Shanmugam

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This is to certify that MD BISH S of II - BSC MA has completed a Value Added  
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Dr.L.Ramkumar

Course Co-ordinator

Mr.K.S.Shanmugam

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## Certificate

This is to certify that THIRU MURUGAN T of B.Sc MA has completed a Value Added  
Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the  
*Department of Microbiology, K.S. Rangasamy College of Arts & Science (Autonomous), Tiruchengode.*



Dr.L.Ramkumar

Course Co-ordinator



Mr.K.S.Shanmugam

Head of the Department



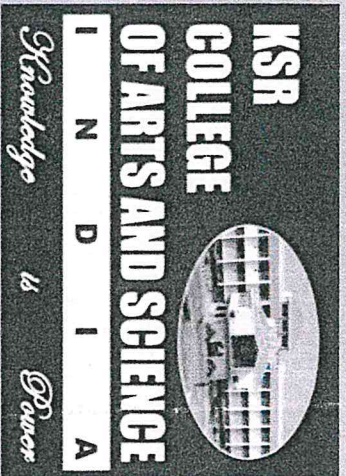
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This is to certify that VASUNDHRA S of B.Sc MA has completed a Value Added

Course in *Basics in Microbiology* during the academic year 2018- 19 ODD semester conducted by the

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Dr.I.Rankumar

Course Co-ordinator

Mr.K.S.Shanmugam

Head of the Department

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