



KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), ERODE
DBT STAR COLLEGE SCHEME
BIOCHEMISTRY, BIOTECHNOLOGY, MATHEMATICS,
COMPUTER SCIENCE & PHYSICS
FIVE DAY NATIONAL LEVEL PROGRAMME ON
'ADVANCING TOWARDS SUSTAINABLE TEACHING AND LEARNING PEDAGOGY'
(02.08.2021 to 06.08.2021)

REPORT

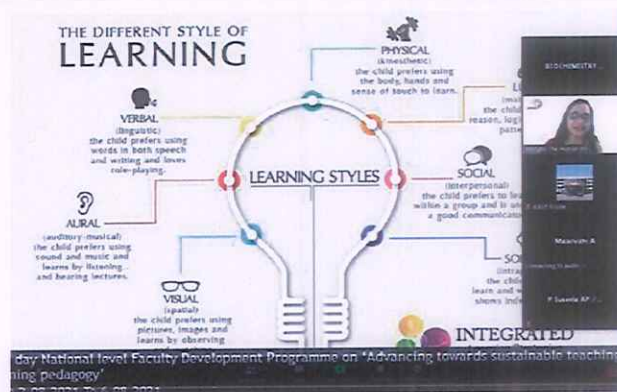
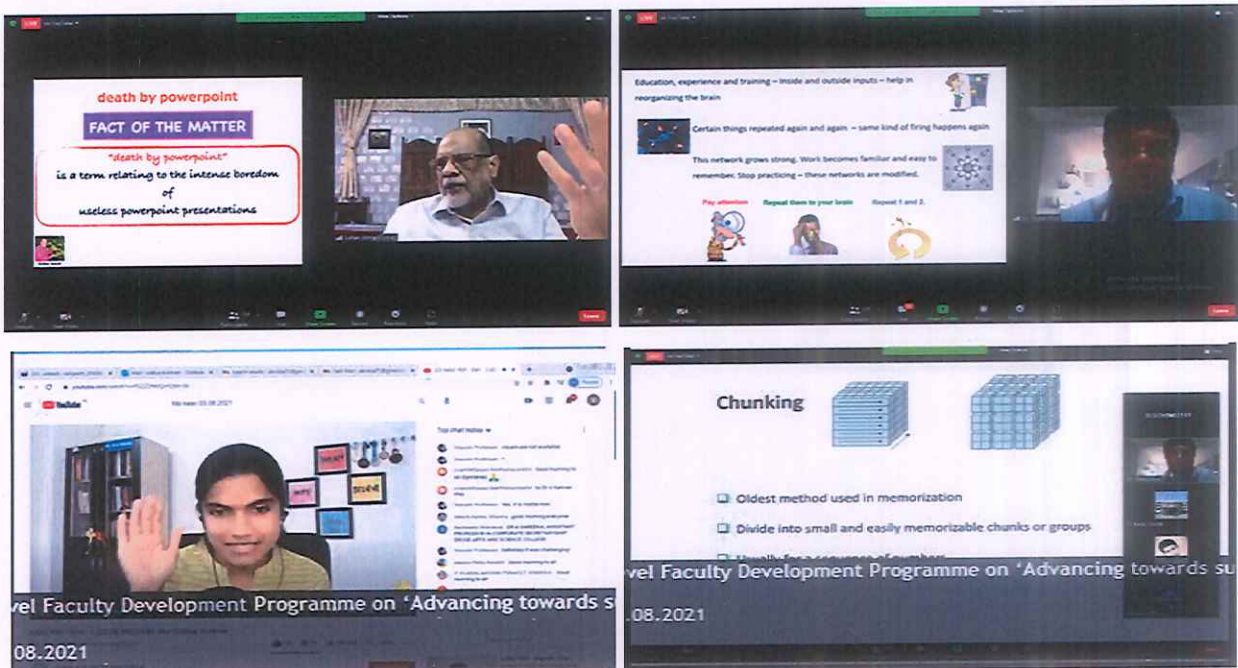
The star departments (Biochemistry, Biotechnology, Mathematics, Computer Science and Physics) of KASC jointly organized the Five Day National level programme on “Advancing towards Sustainable Teaching and Learning Pedagogy” from 02.08.2021 to 06.08.2021 through virtual mode. The resource persons are **Dr.Sulthan Ahmed Ismail**, Teacher, Soil Biologist and Ecologist Member, Tamil Nadu State Development Policy Council, Chennai, **Ms.Meera Natarajan**, Educator, Mentor and NLP Trainer, Founder-Success Programming, Pune, **Dr.Manu Mangattu**, Poet, Translator, Research Consultant, Film Critic Chief Editor, AJILE International Literary Journal and Publishing Expert, Kerala, **Dr.S.Sudharshan (Alumnae)**, Associate Professor in Anatomy, Melaka Manipal Medical College, Manipal, Karnataka, **Dr.W.Anupma Harshal**, MANAV-HUMAN ATLAS INITIATIVE, Indian Institute of Science Education and Research (IISER), Pune.

[Signature]
HEAD OF THE DEPARTMENT
DEPARTMENT OF BIOCHEMISTRY
KONGU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)
ERODE - 638 107.



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[Signature]
Dr. N. RAMAN
PRINCIPAL,
KONGU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)
NANJANAPURAM, ERODE - 638 107.

The resource persons are covered various aspects of teaching and learning pedagogy like 20 Traits of a Teacher Beyond Teaching, Role of Facilitator, Blended Learning, the way Forward: Effectiveness, Attitude Shift and Engagement, Teaching in the New Normal: Shifting Paradigms, Evolving Identities, Neurocognition based interactive method of Teaching and Learning in a Class room and Ability to build a Growth Mindset in the Teaching learning process. Around 170 faculty members were participated in this programme. Faculty members gained insight on competence based Teaching and Learning approach and its practical implications for transition to Sustainable Learning environment. Faculty members also learnt the need to incorporate technology into teaching learning methods to create a rich learning experience for students and a rewarding teaching experience for faculty.



Aditya
 HEAD OF THE DEPARTMENT
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 Dr. N. RAMAN
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 NANJANAPURAM, ERODE - 638 107.



KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), ERODE
DEPARTMENT OF BIOCHEMISTRY
DBT STAR COLLEGE SCHEME

**Extension activity - COVID-19 Vaccination Drive
(06.09.2021)**

REPORT

KONGU ARTS AND SCIENCE COLLEGE
(Autonomous)
(An Autonomous Institution Affiliated to Bharathiar University, Coimbatore)
Erode - 638107

DBT STAR COLLEGE SCHEME
Department of Biochemistry

Cordially invite you for the
**Extension Activity on
"COVID-19 Vaccination Drive"**

in the presence of
Thiru. K.Palanisamy
Correspondent

Dr.N.Raman
Principal

Date: 06.09.2021
Time : 10.00 am
Venue: Auditorium

KONGU
Assuring the Best

Department of Biochemistry conducted an Extension activity (COVID-19 Vaccination Drive) for our Students, Teaching and Non-Teaching of our college on 06.09.2021 under DBT Star College scheme. 93 Members were benefitted by this camp.

It was exclusively organized for Students and Faculty members who were not provided with necessary vaccination earlier, the camp was set up to vaccinate them in a proper way. This activity supported people to be aware of their health and preventive measures to be followed in this pandemic situation about their health.



Dr. N. Raman
HEAD OF THE DEPARTMENT
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Dr. N. Raman
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KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), ERODE

DEPARTMENT OF BIOCHEMISTRY

DBT STAR COLLEGE SCHEME

**Extension activity - Health Care Camp
(07.09.2021)**

REPORT

**KONGU
ARTS AND SCIENCE COLLEGE**
(Autonomous)
(An Autonomous Institution Affiliated to Bharathiar University, Coimbatore)
Erode - 638107
DBT STAR COLLEGE SCHEME
Department of Biochemistry
Cordially invite you for the
**Extension Activity on
"Health Care Camp"**

in the presence of

Thiru. K.Palanisamy
Correspondent

Dr.N.Raman
Principal



Date: 07.09.2021

Time : 10.00 am

Venue: Auditorium



Department of Biochemistry conducted an Extension activity (Health Care Camp) for our Teaching and Non-Teaching of our college on 07.09.2021 under DBT Star College scheme. 183 Members were benefitted by this camp. It provided free medical advice, refer for specialized treatment whenever it is required. These camps made sure people are getting healthcare at the right time, and visiting the doctor early enough before a small health problem turns serious.



Dr. N. Raman
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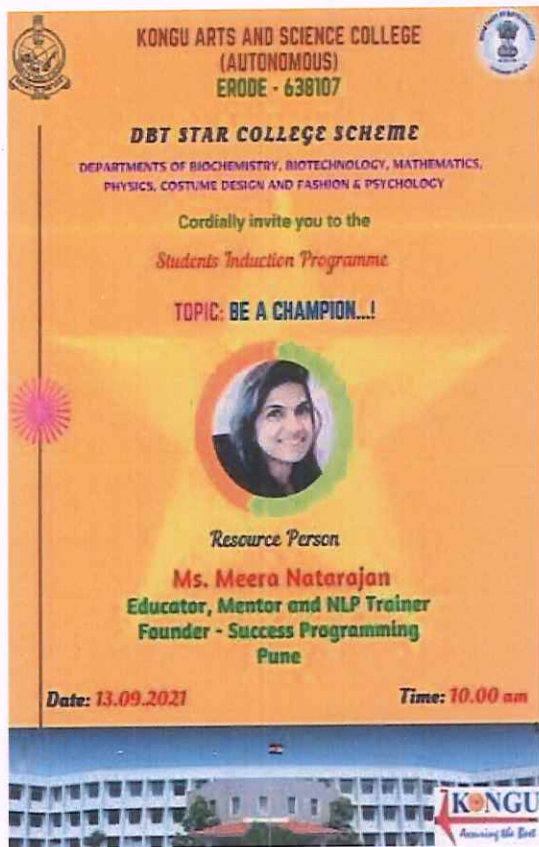
Dr. N. Raman
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KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), ERODE
DBT STAR COLLEGE SCHEME
BIOCHEMISTRY, BIOTECHNOLOGY, MATHEMATICS,
PHYSICS, COSTUME DESIGN AND FASHION & PSYCHOLOGY

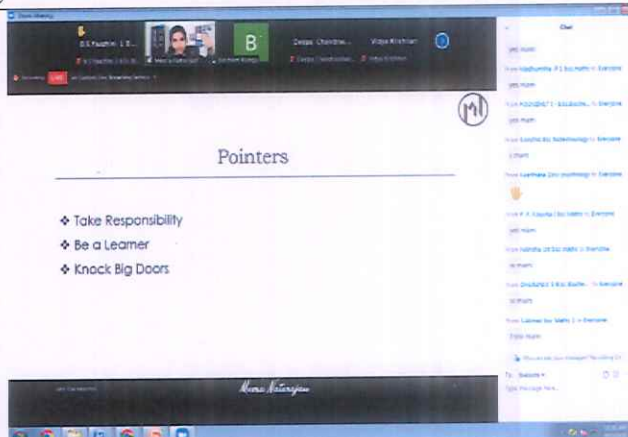
Student's Induction Programme
Topic - WEBINAR ON "BE A CHAMPION..!"
(13.09.2021)

REPORT



A webinar on "Be a Champion..!", was organized for I UG Students of Departments of Biochemistry, Biotechnology, Mathematics, Physics, Costume Design and Fashion & Psychology by DBT STAR Departments as part of Student's Induction programme on 13/09/2021 to motivate the student minds. The meeting platform was zoom and it was live streamed on You tube Special address was given by Ms.Meera Natarajan, Educator, Mentor and NLP Trainer, Founder-Success Programming, Pune and 300 students from the above departments participated in this webinar.

The Chief Guest gave an enthralling Speech and motivated students to shine in their life with 100% Dedication and Hardwork.She revealed new ideas and tips as pointers for being a star and smart student. She also insisted students to knock big doors and be a lifelong learner. She also encouraged the students interaction and made them to enjoy and learn from her session. She explained how to achieve success and be a champion. She suggested books like (THE POWER OF SUBCONCIOUS MIND, THE MONK WHO SOLD HIS FERRARI, THE MAGIC OF THINKING BIG) to students to enrich their young minds with positive thoughts.



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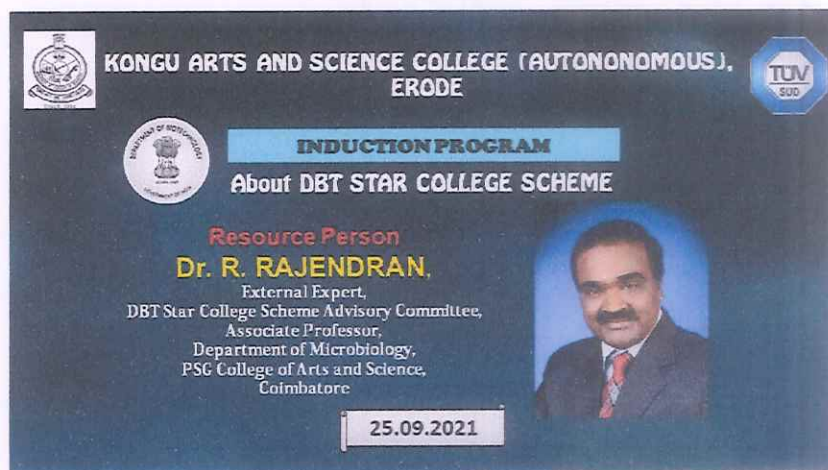


KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), ERODE
DEPARTMENT OF BIOCHEMISTRY
DBT STAR COLLEGE SCHEME

Induction Programme for STAR Department-I UG Students

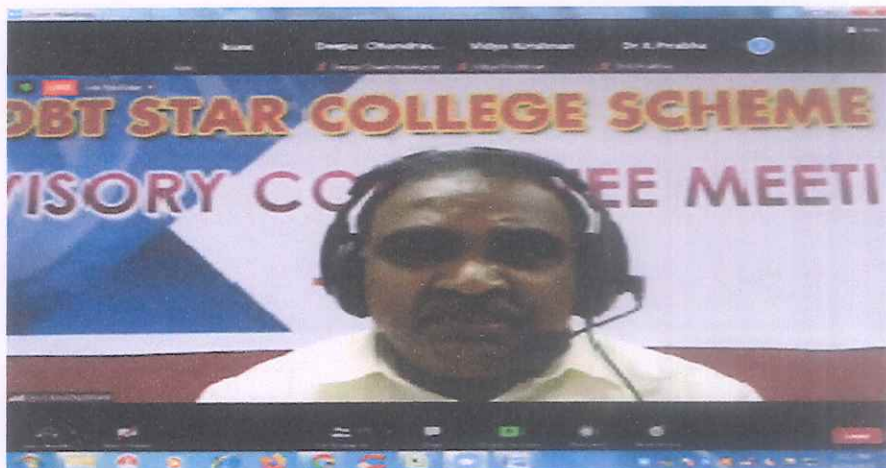
25.09.2021

REPORT



A One day Induction Programme on “About DBT STAR COLLEGE SCHEME” was organized for Students of Star Departments under DBT Star College Scheme on 25.09.2021 through video conferencing. Dr. R. Rajendran, External Expert, DBT Star College Scheme Advisory Committee, Associate Professor, Department of Microbiology, PSG College of Arts and Science, Coimbatore was the Resource Person. The Programme was attended by over 300 student Participants.

He in his address gave an insight on impact of DBT Star college scheme for upcoming students generation. He also gave the brief data about DBT star college scheme which is initiated by Department of Biotechnology, India in 2008.



Dr. N. Ramana
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KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), ERODE
DEPARTMENT OF BIOCHEMISTRY
DBT STAR COLLEGE SCHEME

INAUGURATION OF BIOCHEMISTRY SYMBION ASSOCIATION CUM
Webinar on "Cancer Vaccines and Immunotherapeutics"
(29.09.2021)

REPORT

A webinar on "Balanced Immune system: A Key to disease free state" was organized for Students of Biochemistry Department under DBT Star College Scheme as part of Biochemistry Association Symbion - Inauguration programme on 29/09/2021. The meeting platform was Google Meet and it was recorded. Ms.T.Radha, Assistant professor, Department of Biochemistry, Presented the activities done by Biochemistry Association under DBT Star College Scheme during the academic year (2020-2021). Special address was given by Ms.Sowbarnika Ratliff (Alumni), Scientist, Immunology, Cancer Vaccines and Immunotherapeutics, Pfizer, San Diego, California. and 140 students participated in this webinar.

She started her key note address by sharing her views about the importance of Biochemistry with the students. Her talk Carried several informations regarding Immune system and immunotherapy preferred to treat cancer and her research on treatment of type I Diabetes by regulating immune system. This webinar made students to clearly understand about the role of immune system to live a balanced life. As she was a scientist in Pfizer, She also clarified students' doubts regarding vaccines too. The programme completed with knowledge sharing and interaction.

KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS) ERODE - 638107

DBT STAR COLLEGE SCHEME DEPARTMENT OF BIOCHEMISTRY

Cordially invite you to the Inauguration of Biochemistry Association SYMBION'21

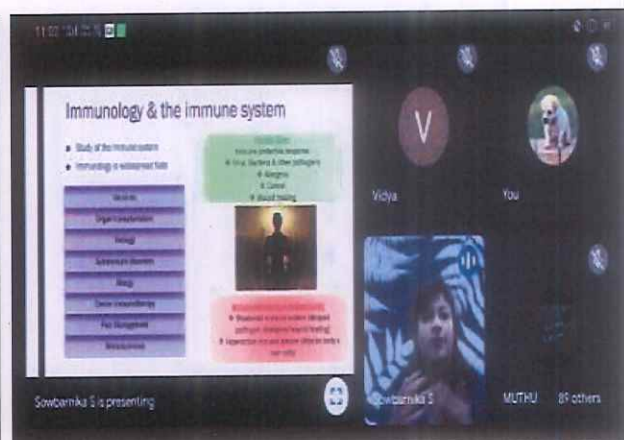
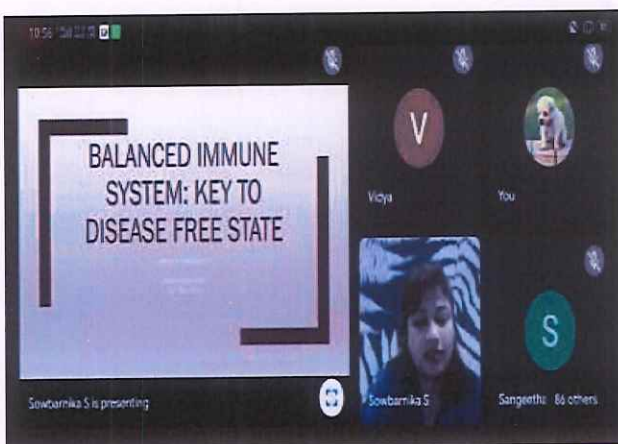
PRESIDENTIAL ADDRESS
Thiru.K.PALANISAMY
Correspondent

FELICITATION
Dr.N.RAMAN
Principal



Inaugural Address
Ms.Sowbarnika Ratliff (Alumni)
Scientist
Immunology, Cancer Vaccines and Immunotherapeutics
Pfizer
San Diego, California

Date: 29.09.2021
Time: 10.00 am

Dr. N. Raman
HEAD OF THE DEPARTMENT
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KONGU ARTS AND SCIENCE COLLEGE
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Dr. N. Raman
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KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), ERODE
 DBT STAR COLLEGE SCHEME
 DEPARTMENT OF MATHEMATICS, BIOCHEMISTRY, PHYSICS

**A TWO DAY INTER DISCIPLINARY WORKSHOP ON
 PROJECT BASED LEARNING WITH MATLAB
 (28.10.2021 & 29.10.2021)**

KONGU ARTS AND SCIENCE COLLEGE
 (AUTONOMOUS)
 ERODE - 638 107

DEPARTMENT OF MATHEMATICS, BIOCHEMISTRY AND PHYSICS
 (Recognized and Funded under DBT Star College Scheme)

**A Two Day
 Inter Disciplinary Workshop on
 Project Based Learning with MATLAB**

Resource Person

 Dr.S.Hariharan,
 Assistant Professor,
 Dwaraka Doss Goverdhan Doss Vaishnav College,
 Chennai.

Programme Objective : To carry out simple Numerical computations,
 Analyses and Graphics in MatLab environment.

Date : 28.10.2021 & 29.10.2021
 Time : 9.30 a.m. to 4.15 p.m.
 Venue : CC - IV LAB

A Two Day Inter Disciplinary Workshop on "Project Based Learning with MATLAB" was organized by the Department of Mathematics on 28.10.2021 and 29.10.2021. Final year students of Mathematics, Bio Chemistry and Physics were participated. The main objective of the programme was to make students to use the scientific tool MATLAB, a licensed software purchased under DBT Star College Scheme. Dr.S.Hariharan, Assistant Professor from Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai trained the students to enhance their skills on MATLAB.



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 NANJANAPURAM. ERODE - 638 107.



KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), ERODE
 DEPARTMENT OF BIOCHEMISTRY
 DBT STAR COLLEGE SCHEME

**Academic Industry interface program on
 "Characterization of Biosimilars using Mass Spectrometry"
 (01.11.2021)**

REPORT

KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS) ERODE - 638107
DBT STAR COLLEGE SCHEME
DEPARTMENT OF BIOCHEMISTRY
 Cordially invite you to the
Academia-Industry Interface Program
 on
Characterization of Biosimilars using Mass Spectrometry

PRESIDENTIAL ADDRESS
 Thiru. K. PALANISAMY
 Correspondent

FELICITATION
 Dr. N. RAMAN
 Principal

Resource Person
Dr. Jayaprakash Natarajan (Alumni)
 Senior Scientist
 Analytical Development
 Stelis Biopharma Pvt. Ltd., Bangalore

Date: 01.11.2021
 Time: 10.00 am
 Venue: PG Seminar Hall

An Academic Industry interface program on "Characterization of Biosimilars using Mass Spectrometry" was organized for Students of Biochemistry Department under DBT Star College Scheme on 01/11/2021 in PG Seminar Hall. Special address was given by **Dr. Jayaprakash Natarajan (Alumni)**, Senior Scientist, Analytical Development, Stelis Biopharma Pvt Ltd., Bangalore. 140 students participated in this Guest Lecture.

In his presentation, Dr. Jayaprakash enlightened the students about biopharma medicines and explained how it differs from synthetic medicine. He insisted students to be updated on recent trends in biological field and explained clearly about new techniques and equipment's used in biopharma industries. This helped students to understand the working mechanism of several equipments. He motivated the students to read journals related to their field of interest. After the lecture he also had interaction with students in the classroom and cleared all their doubts and shared ideas to fit themselves in biopharma Industry.



Dr. N. Raman
HEAD OF THE DEPARTMENT
DEPARTMENT OF BIOCHEMISTRY
KONGU ARTS AND SCIENCE COLLEGE
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Dr. N. Raman
Dr. N. RAMAN
 PRINCIPAL,
 KONGU ARTS AND SCIENCE COLLEGE
 (AUTONOMOUS)
 NANJANAPURAM, ERODE - 638 107.



KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), ERODE
DEPARTMENT OF BIOCHEMISTRY
DBT STAR COLLEGE SCHEME

ALUMNI MEET
(14.11.2021)

REPORT

KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS) ERODE - 638107

DBT STAR COLLEGE SCHEME

DEPARTMENT OF BIOCHEMISTRY

The Management, Correspondent, Principal and Staff Members
Cordially invite you to the

Virtual Alumni Meet - REMINISCENCE 2021

Presidential Address
Thiru.K.Palanisamy
Correspondent

Felicitation
Dr.N.Raman
Principal

Date: 14.11.2021 (Sunday)
Time: 10.00 am

Mode: Zoom Platform

Meeting ID: 854 911 4837
Passcode: kasc

Foreseeing your exuberant presence on the day to make it memorable forever.....

Department of Biochemistry of Kongu Arts and Science College, Erode organized an "Alumni meet" as Reminiscence. Alumni from 1995 Batch Undergraduation and from 2004 batch Postgraduation to batch 2021 enthusiastically attended this meet. The meeting platform was zoom and it live streamed on youtube.

Feedback and updation to be made in syllabus was discussed with them and their suggestions were noted. Alumni shared information about the job opportunities in the field of Biochemistry and related disciplines with current batch students. Skepticism of current batch students were clarified by the alumni from the respective field. Finally this virtual Alumni meet turned to be a special moment to recollect all the sweet memories and valuable to current batch students to gain currents trends in Biochemistry.



Dr. N. Raman
HEAD OF THE DEPARTMENT
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KONGU ARTS AND SCIENCE COLLEGE
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NANJANAPURAM, ERODE - 638 107.



KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), ERODE

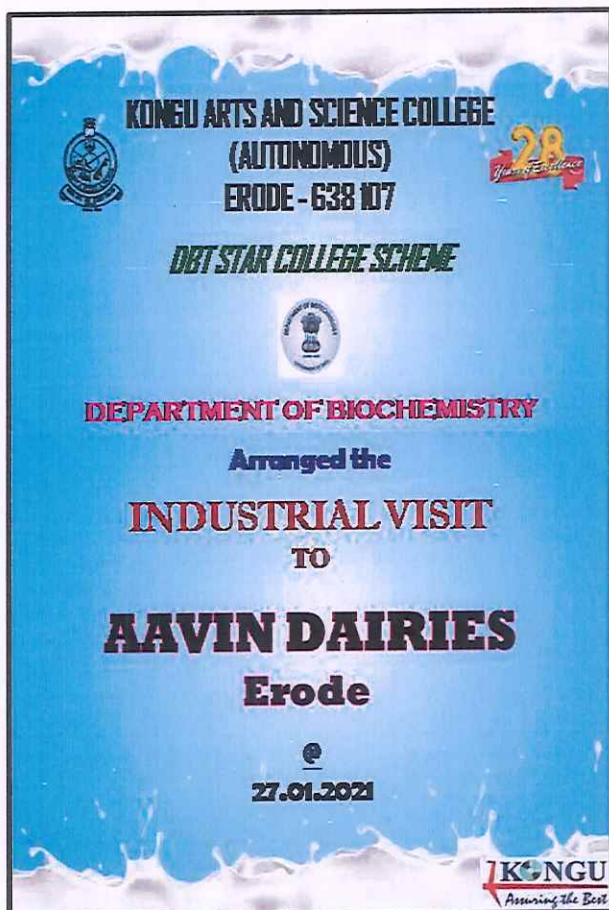
DEPARTMENT OF BIOCHEMISTRY

DBT STAR COLLEGE SCHEME

INDUSTRIAL VISIT TO AAVIN DAIRIES

(18.11.2021)

REPORT



Department of Biochemistry of Kongu Arts and Science College, Erode organized an **Industrial visit** for II UG and II PG students to **Aavin Dairies**, Chithode, Erode under DBT Star College Scheme and 51 students were beneficiaries.

In this visit they learnt about the biochemical analysis and Estimation of milk contents in the Quality Control Section. They understood the difference between Heating and steaming in the production of milk products. It paved way for the students to get an idea about milk powder preparation and estimation of moisture content after preparing the preparation.

This visit helped them to learn about the preparation of skimmed and non-skimmed milk and other products such as ghee, butter, yoghurt and the working mechanism of silo tanks, tum tanks and their uses, as well as methods for estimating fat and moisture in milk. It was an opportunity for the students to learn about the role of the Biochemistry in the production of Dairy products and the employment opportunities in it.



Dr. N. Ramani
HEAD OF THE DEPARTMENT
DEPARTMENT OF BIOCHEMISTRY
KONGU ARTS AND SCIENCE COLLEGE
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Dr. N. Ramani
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KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), ERODE

DEPARTMENT OF BIOCHEMISTRY

DBT STAR COLLEGE SCHEME

**Academic Industry interface program on
"Biochemistry- How it will help in FMCG industry and Pharma job sectors"
(22.11.2021)**

REPORT

An Academic Industry interface program on "Biochemistry- How it will help in FMCG industry and Pharma job sectors" was organized by Biochemistry Department for Students of Biochemistry and MBA Departments under DBT Star College Scheme on 22/11/2021 in PG Seminar Hall. Our Alumni **Mr. Rajiv Rathinam, (2003-2008 Batch), Zonal manager, Hindustan Unilever Limited, Chennai** was the resource person. 168 students participated in this Guest Lecture.

Mr. Rajiv Rathinam Started his session with motivational talk and discussed how to analyze the purpose of life and career. He requested students to set short and long term goals that would drive them towards success. Later he shared more informations regarding fast moving consumable goods. He also mentioned that communication, Interpersonal, Analytical (knowledge in MS word and Excel), and Negotiation were the basic skills required to fit in FMCG Industry. He gave a detailed account on working mechanism of several sectors in FMCG industries like Beauty and personal care, Food and refreshment, Home care and discussed job opportunities for biochemist in Production, Quality control and Management. He drew an career map for business startups. As a former scientist in several biopharma industries, he gave brief informations regarding diabetes and its prevention and treatment through life style and medicines. He also had interaction with students in the classroom after the program and clarified all their doubts regarding job opportunities in FMCG industry and Biopharma Industry.

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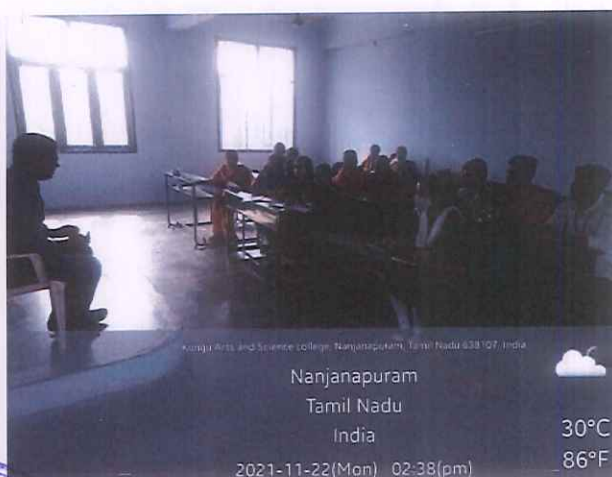
DBT STAR COLLEGE SCHEME
DEPARTMENT OF BIOCHEMISTRY
Cordially invite you to the
Academia-Industry Interface Program
on
Biochemistry - How it will help in FMCG Industry and Pharma Job Sectors?

Presidential Address
Thiru.K.Palanisamy
Correspondent, KASC

Felicitation
Dr.N.Raman
Principal, KASC

Resource Person
Mr.Rajiv Rathinam (Alumni)
(2003 - 2008 Batch)
Zonal Sales Manager
Hindustan Unilever Limited
Chennai

Date: 22.11.2021
Time: 10.00 am
Venue: PG Seminar Hall



Dr. N. Raman
HEAD OF THE DEPARTMENT
DEPARTMENT OF BIOCHEMISTRY
KONGU ARTS AND SCIENCE COLLEGE
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Dr. N. Raman
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KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), ERODE
DEPARTMENT OF BIOCHEMISTRY
DBT STAR COLLEGE SCHEME

Hands on Workshop on Mushroom Cultivation

(24.11.2021)

REPORT

KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS) ERODE - 638107

DBT STAR COLLEGE SCHEME DEPARTMENT OF BIOCHEMISTRY

Cordially invites you to the
One Day Hands on Workshop on Mushroom Cultivation
Organized for B.Sc Biochemistry Students

Resource Person
Mr.S.INDIRA KUMAR
I Green Mushrooms and Spawn Labs
Avinashi Road
Kaniyur

Date: 24.11.2021
Time: 10.00 am

Department of Biochemistry and Institution's Innovation Council conducted an one day hands on workshop on Mushroom cultivation under DBT Star College scheme The lecture was arranged in Ramanujam hall and training was in Open Auditorium. Nearly 200 students from Biochemistry and Biotechnology were participants.

Mr.S.Indira Kumar,I Green mushrooms and spawn labs,Avinashi Road,Kaniyur served as the resource person. He started his session by giving clarity about myths and truth behind the business and explained his journey in Mushroom cultivation field. He presented several videos and images, which increased the curiosity of learning among the students. He explained clearly about the difference between Oyster, Milky and button mushrooms and theoretically explained the preparation of bags before training using videos. He also explained the variations to be made in temperature for the growth of mushrooms. He helped Students to know about the new techniques introduced in Mushroom cultivation process. In hands on training he insisted students to prepare bags by themselves. The Students enjoyed the session as well as gained more entrepreneurial knowledge in mushroom cultivation.



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Dr. N. RAMAN
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KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), ERODE
DEPARTMENT OF BIOCHEMISTRY
DBT STAR COLLEGE SCHEME

**One Day Hands on Workshop on Advanced Immunohematology
(01.12.2021)**

REPORT

**KONGU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)
ERODE - 638107**

DBT STAR COLLEGE SCHEME

DEPARTMENT OF BIOCHEMISTRY
in association with
Tamilnadu Voluntary Blood Bank and Research Centre, Erode

Cordially invite you to the
*One Day Hands on Workshop on
"Advanced Immunohematology"*
Organized for Second year B.Sc Biochemistry Students

Resource Person
Rtn.PHF.K.R.VENKATAACHALAM,
Alumni (1995-1998 Batch)
Tamilnadu Voluntary Blood Bank and
Research Centre, Erode

Date: 01.12.2021
Time: 10.00 am

Department of Biochemistry organized an one day hands on workshop on Immunohematology under DBT Star College scheme. The session was arranged in Tamil Nadu Voluntary Blood Bank and research center. 31 students from II UG Biochemistry were participants.

Rtn.PHF.K.R.Venkataachalam (Alumni batch 1995-1998), Tamil Nadu Voluntary Blood Bank and research center, Erode was the resource person. Mr.Vinoth and Mrs. Sangeetha, Lab Technicians in Tamil Nadu Voluntary Blood Bank and research center, demonstrated the practical session for the students. It was a great opportunity to the students to acquire knowledge about the routine practices like testing, separating in blood bank. In theory session Rtn. PHF. K. R. Venkataachalam also clearly explained about the blood grouping, Cross matching, Erythroblastosis fetalis and current treatment for this issue, ICT and DCT techniques both theoretically and practically. Students gained more knowledge about the role of biochemist in Blood Bank



N. Ram
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N. Ram
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KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), ERODE
DEPARTMENT OF BIOCHEMISTRY
DBT STAR COLLEGE SCHEME

Hands on Workshop on Molecular Techniques
(09.12.2021 & 10.12.2021)

REPORT

KONGU ARTS AND SCIENCE COLLEGE
 (Autonomous)
 (An Autonomous Institution Affiliated to Bharathiar University, Coimbatore)
ERODE

DBT STAR COLLEGE SCHEME
Department of Biochemistry
 Cordially invite you for the
Two Day Virtual Workshop on
MOLECULAR TECHNIQUES
 Organized for **B.Sc Biochemistry Students**

RESOURCE PERSON
Dr.H.Abdul Jaffar Ali
 Assistant Professor and Head
 Department of Biotechnology
 Islamiah College (Autonomous)
 Vaniyambadi

RESOURCE PERSON
Dr.S.U.Mohammed Riyaz
 Assistant Professor
 Islamiah College (Autonomous)
 Vaniyambadi

RESOURCE PERSON
Dr.ML.Mohammed Kaleem Arshan
 Assistant Professor
 Islamiah College (Autonomous)
 Vaniyambadi

Date : 09.12.2021 & 10.12.2021
Time : 10.30 am
 Join with us through **G Meet**

Department of Biochemistry conducted Two day hands on workshop on Molecular Techniques under DBT Star College scheme. The meeting platform was Google meet..Nearly 95.students from Biochemistry Department participated in the workshop.

Dr. H.Abdul Jaffar Ali ,Head, Biotechnology Department, Islamiah College, began the session with the introductory mark on Molecular Techniques and elaborated the unique features of DNA Barcoding, the Molecular Tool for Species identification and its significance in Molecular Taxonomy.

Dr. ML. Mohammed Kaleem Arshan, Assistant Professor explained about DNA isolation technique by Agarose Gel Electrophoresis and continued his session with the sequential steps followed in the PCR experiment. He further briefed on the possible pitfalls encountered while carrying out the experiments and the troubleshooting steps that would help out to resolve those issues.

Dr. S.U. Mohammed Riyaz, Assistant Professor demonstrated and explained the instruments available and the steps for proceeding with Gene Sequencing process. He also highlighted about Next Generation Sequencing and its future applications to the participants.

The workshop proved to be highly valuable for the students and they gained a new perspective on the fundamental and advanced techniques in Molecular Biology through this Program.



Address
HEAD OF THE DEPARTMENT
DEPARTMENT OF BIOCHEMISTRY
KONGU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)
ERODE - 638 107.



A
Dr. N. RAMAN
PRINCIPAL,
KONGU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)
NANJANAPURAM, ERODE - 638 107.



KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), ERODE
DEPARTMENT OF BIOCHEMISTRY
DBT STAR COLLEGE SCHEME

**One day Workshop on Animal cell culture techniques and its application
(21.12.2021)**

REPORT

**KONGU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)
ERODE - 638107**

**DBT STAR COLLEGE SCHEME
DEPARTMENT OF BIOCHEMISTRY**

Cordially invite you to the
*One Day Workshop on
Animal Cell Culture Techniques and its Applications
Organized for Third year B.Sc Biochemistry Students*

**Resource Person
Dr. Arulselvan Palanisamy M.Sc., Ph.D.,
Managing Director and Scientist
Scigen Research Innovation Pvt. Ltd
Periyar Technology Business Incubator
Thanjavur**

Date: 21.12.2021
Time: 10.00 am

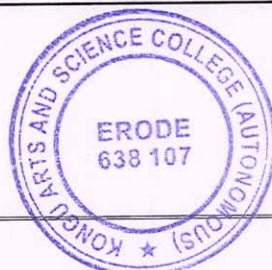
KONGU
Autonomous

Department of Biochemistry organized an one day workshop on Animal cell culture techniques and its application under DBT Star College scheme. The session was arranged in Biotechnology lab... students from III UG & II PG Biochemistry attended the workshop.

Dr. Arulselvan Palanisamy M.Sc., Ph.D., Managing Director and scientist, Scigen Research Innovation Pvt. Ltd, Periyar Technology Business Incubator, Thanjavur served as the resource person. He shared basic information about cell culture techniques and made students to gain knowledge about cell culture and its applications. He explained the difference between normal cells and cancer cells and practically demonstrated the method of primary culture and cell line production. He made students to understand the Working of Phase contrast microscope for viewing cells. He also insisted the important ethics of animal tissue culture techniques.



Dr. Arulselvan
**HEAD OF THE DEPARTMENT
DEPARTMENT OF BIOCHEMISTRY
KONGU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)
ERODE - 638 107.**



Dr. N. Raman
**Dr. N. RAMAN
PRINCIPAL,
KONGU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)
NANJANAPURAM, ERODE - 638 107.**



KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), ERODE

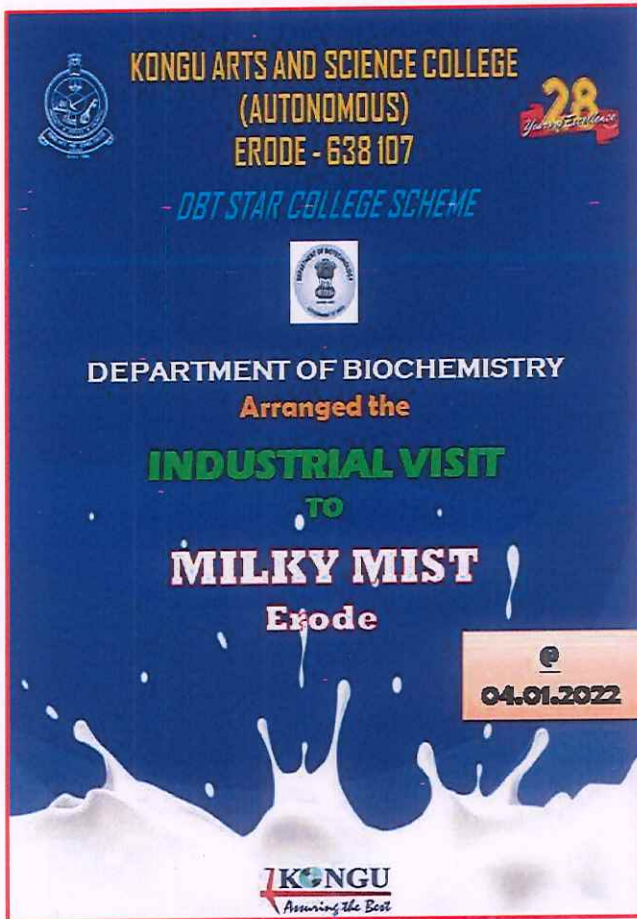
DEPARTMENT OF BIOCHEMISTRY

DBT STAR COLLEGE SCHEME

INDUSTRIAL VISIT TO MILKY MIST

(04.01.2022)

REPORT



Department of Biochemistry of Kongu Arts and Science College, Erode organized an **Industrial visit** for III UG and II PG students (60 Students) to **Milky Mist**, Perundurai, Erode under DBT Star College Scheme.

In this visit, the Students learnt about the Biochemical analysis and estimation of Milk contents in the Quality Control Section. They understood the concepts behind the production of Paneer, Curd, sweet curd, Ghee, Cheese and its packing techniques.

This visit helped them to learn about the preparation of production tank, precautions to be done before production and importance of quality check before marketing. It was an opportunity for the students to learn about the role of the Biochemistry in the production of Dairy products especially the Value Added Products from Milk and the employment opportunities in it. The Establishment history of Milky Mist also motivated students to convert their ideas into action and enlightened their entrepreneurial mind.



Ad Day
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DEPARTMENT OF BIOCHEMISTRY
KONGU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)
ERODE - 638 107.



Dr. N. RAMAN
Dr. N. RAMAN
PRINCIPAL,
KONGU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)
NANJANAPURAM, ERODE - 638 107



KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), ERODE
DEPARTMENT OF BIOCHEMISTRY
DBT STAR COLLEGE SCHEME

**Two day virtual workshop on “Bioinformatics tools and its applications in research”
 (28.01.2022 & 29.01.2022)**

REPORT

KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS) ERODE - 638107

DBT STAR COLLEGE SCHEME
DEPARTMENT OF BIOCHEMISTRY

Cordially invite you to the
Two Day Virtual Workshop on
“Bioinformatics tools and its Applications in Research”
Organized for Biochemistry Students

Resource Person
Dr. R. SATHISH KUMAR
 Assistant Professor and Head i/c
 Department of Biotechnology (UG)
 Kongunadu Arts and Science College
 (Autonomous)
 Coimbatore

Date: 28.01.2022
 Time: 10.00 am

Part of Moll Activity Join with us through G Meet

Department of Biochemistry conducted Two day virtual workshop on “Bioinformatics tools and its applications in research” under DBT Star College scheme. The meeting platform was Google meet. Nearly 80 students from Biochemistry Department participated in the workshop. **Dr.R.Sathish Kumar**, Assistant Professor and Head i/c, Department of Biotechnology (UG), Kongu Nadu Arts and Science College (Autonomous), Coimbatore began the session with the introductory mark on Bioinformatics and elaborated the unique features of several new software’s and its significance.

He continued his session with practical approach that helped students to get his points clearly. He further presented his screen and demonstrated Scoring matrices- PAM, BLOSUM and BLAST, FASTA. He also highlighted about advantages of softwares to the participants. He also sowed an idea about Computer Aided Drug Designing. The workshop proved to be highly valuable for the students and they gained a new perspective on the fundamental and advanced softwares and techniques though this Program.

What is Bioinformatics?

➤ Bioinformatics is a new scientific discipline created from the interaction of Biology and Computer.

A screenshot of a Zoom meeting showing a participant's video feed and a shared screen displaying a software interface.

Dr. N. Raman
HEAD OF THE DEPARTMENT
DEPARTMENT OF BIOCHEMISTRY
KONGU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)
ERODE - 638 107.



Dr. N. Raman
Dr. N. RAMAN
PRINCIPAL,
KONGU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)
NANJANAPURAM, ERODE - 638 107.



KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), ERODE
DEPARTMENT OF BIOCHEMISTRY
DBT STAR COLLEGE SCHEME

One Day Workshop on Nutrition and Diet Therapy for Lifestyle and Nutritional Disorders
(21.02.2022)
REPORT

KONGU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)
ERODE - 638107

DBT STAR COLLEGE SCHEME
DEPARTMENT OF BIOCHEMISTRY

Cordially invites you to the
*One Day Workshop on
Nutrition and Diet Therapy for
Lifestyle and Nutritional Disorders*

Presidential Address
Thiru.K.Palanisamy
Correspondent

Felicitation
Dr.N.Raman
Principal

Resource Person
Mrs.A.Jenifer Gladious (Alumni)
(2011-2014 Batch)
Consultant Dietitian
Certified Holistic Health Coach

Date: 21.02.2022
Time: 10.00 am
Venue: Ramanujam Hall

A One day Workshop on "Nutrition and Diet Therapy for Lifestyle and Nutritional Disorders" was organized for Students of Biochemistry Department under DBT Star College Scheme on 21/02/2022 in Ramanujam Hall. Special address was given by Mrs.A.JENIFER GLADIOUS (Alumni), 2011-2014 BATCH, Consultant Dietitian, Certified Holistic Health Coach. 140 students participated in this workshop. She started her key note address by sharing informations about the difference between simple and complex carbs, Healthy and unhealthy fats with the students. Her talk carried several informations regarding Exercise, Food balance especially nutritional balance in breakfast and Dinner. She also voiced out about the common problem among women like Irregular menstruation, PCOD and measures to control it. This workshop made students to clearly understand about the role of nutrition to live a balanced life. As she was a Consultant Dietitian, She also clarified student's doubts regarding their own diet problems. She also made students to gain knowledge about sources of healthy foods by presenting models. The programme completed with knowledge sharing and interaction.



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DEPARTMENT OF BIOCHEMISTRY
KONGU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)
ERODE - 638 107.



Dr. N. RAMAN
PRINCIPAL,
KONGU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)
NANJANAPURAM, ERODE - 638 107.



KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), ERODE
DEPARTMENT OF BIOCHEMISTRY
DBT STAR COLLEGE SCHEME

Guest Lecture on Cardio Genomics, Stem Cells and Precision Medicine
(01.03.2022)

REPORT

KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS) ERODE - 638107

DBT STAR COLLEGE SCHEME

DEPARTMENT OF BIOCHEMISTRY
Cordially invite you to the
Guest Lecture
on
Cardio genomics, Stem cells and Precision medicine

Presidential Address
Thiru.K.Palanisamy
Correspondent, KASC

Felicitation
Dr.N.Raman
Principal, KASC

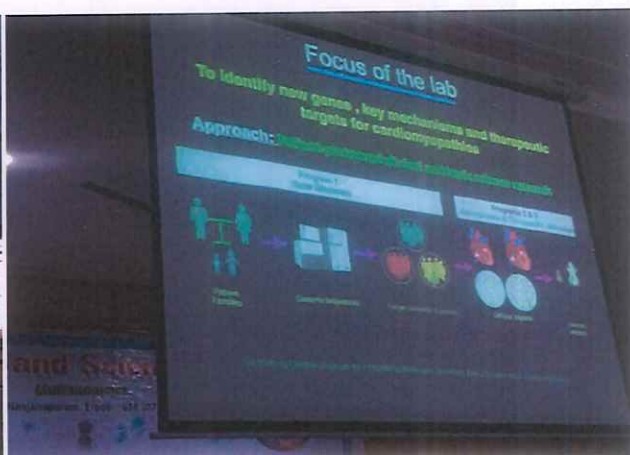
Resource Person
Dr.P.S.Dhandapany
Scientist F and Associate Professor
Centre for Cardiovascular Biology and Disease
The Institute for Stem Cell Science and Regenerative Medicine (InStem)
Bangalore

Venue: PG Seminar Hall

Date: 01.03.2022
Time: 10.00 am

A Guest Lecture on One day Guest Lecture on “Cardiogenomics, Stem Cells and Precision Medicine” was organized for Students of Biochemistry Department under DBT Star College Scheme on 01/03/2022 in PG Seminar Hall. Dr.P.S.Dhandapany, Scientist F and Associate Professor, Institute for Stem Cell Science and Regenerative Medicine, Bangalore was the Resource Person. The Programme was attended by 115 Participants.

He in his address gave an insight on Cardiomyopathies, a group of life-threatening heart muscle diseases that represent a significant proportion of heart failure and sudden cardiac death. He also highlighted on recent RGenes and models for cardiomyopathies associated with RA Sopathies, Advances in RA Sopathies and Neurofibromatoses and in Identification of New Therapeutic Targets.



Ad Day
HEAD OF THE DEPARTMENT
DEPARTMENT OF BIOCHEMISTRY
KONGU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)
ERODE - 638 107.



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Dr. N. RAMAN
PRINCIPAL,
KONGU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)
NANJANAPURAM, ERODE - 638 107



KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), ERODE
DBT STAR COLLEGE SCHEME
BIOCHEMISTRY, BIOTECHNOLOGY, MATHEMATICS,
COMPUTER SCIENCE, PHYSICS

In association with
KASC SCIENCE FORUM

NATIONAL SCIENCE DAY CELEBRATIONS'2022
(28.02.2022)

KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
Nanjanapuram, Erode-638 107.

DBT STAR COLLEGE SCHEME

DBT STAR DEPARTMENTS
(Biochemistry, Biotechnology, Mathematics, Computer Science, Physics)
In association with
KASC SCIENCE FORUM

NATIONAL SCIENCE DAY CELEBRATIONS - FEBRUARY 2022

QUIZ CONTEST	CONTENT CREATION CONTEST	SCIENCE MODEL EXHIBITION
<p>Department : Computer Science and Technology</p> <p>Topic : Quiz Contest on Science and Technology</p> <p>Open for all students</p> <p>Date : 28.02.2022</p> <p>Time : 10.00 am - 11.00 am</p> <p>Rules :</p> <ul style="list-style-type: none"> • Prelims Via Google Link • Final round will be Offline 	<p>Department : Biochemistry</p> <p>Theme : Smart Technology - Reinventing the future</p> <p>Open for all students</p> <p>Last Date to Submit : 23.02.2022</p> <p>Rules :</p> <ul style="list-style-type: none"> • Content should be original • Content can be in Powerpoint slide (or) PDF (or) Videos • Google Link to Upload 	<p>Department : Mathematics</p> <p>Topic : Innovations for Sustainable Development</p> <p>Open for all students</p> <p>Date : 26.02.2022</p> <p>Last Date of Registration : 23.02.2022</p> <p>Rules :</p> <ul style="list-style-type: none"> • Single Participant per Model • It should be a working Model • Offline Presentation

LOGO DESIGNING

Department : Biotechnology

Topic : Celebrating India's Post independence achievements in Science and Technology

Open for all Students

Last Date to Submit : 23.02.2022

Rules :

- Logo must be clear and be legible at all sizes
- There are no limitations and any color may be used.
- The designer needs to explain the purpose and meaning of the colour used
- The design shall be accompanied by a written description of the concept and features of the logo
- Submitted file must be JPEG or PNG format

POSTER PRESENTATION

Department : Physics

Theme : Envisioned India 2030 For Under Graduate Students

Last Date to Submit : 23.02.2022

Rules :

- One participant per poster
- Based on the number of registration, participants will be short listed and venue for presentation will be intimated through your registered mail ID
- Duration of the presentation is 3 minutes
- Poster should be of A3 size (Portrait or Landscape)
- Google Link will be shared to upload the Poster

STARTUP- INNOVATIVE IDEAS

Forum : KASC Science Forum

Content preparation may include either PPT or video presentation

Open for all students

Last date for submission : 24.02.2022

Topics :

1. App Development (Single participant only)

Rules :

 - Developing App should be customer friendly and simple
 - It should have the feature of updating further for other future applications
 - Proof of App functioning is mandatory
 - It may be based on any operating system
2. Process / Product Development

Rules :

 - Product/ process idea should be new and original
 - It should solve a problem and Support Cost economy,
 - It should be commercializable and satisfy market needs
 - It should be based on your own skillset

Students who have volunteered for Humanitarian service will be honoured with "Responsible Citizen Award"

Students of our college who have made a remarkable contribution to the Society during the academic year (2021-2022) can file their nomination with this page request.

"The essence of science is independent thinking hard work and not equipment"
Albert Einstein

KONGU
Nanjanapuram, Erode

KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
Nanjanapuram, Erode-638 107.

DBT STAR COLLEGE SCHEME

DBT STAR DEPARTMENTS
(Biochemistry, Biotechnology, Mathematics, Computer Science, Physics)
In association with
KASC SCIENCE FORUM

Cordially invite you for the

NATIONAL SCIENCE DAY CELEBRATIONS - FEBRUARY 2022

Theme : Integrated Approach in Science and Technology for Sustainable future

Date : 28.02.2022
Time : 10.30 am

Venue : PG Seminar Hall

TOP-THREE WINNERS WILL BE AWARDED WITH CASH PRIZE

KONGU
Nanjanapuram, Erode

STAR Departments (Biochemistry, Biotechnology, Mathematics, Computer Science and Physics) in association with KASC Science Forum celebrated National Science day on 28.02.2022 and conducted various competitions for Students. The competitions organized were Logo Designing, Poster making, Science Quiz, Science Model Exhibit, Content Creation, Start up – Innovative Ideas. Students enthusiastically participated in the competitions and the top three Winners in each event were given certificates along with Cash Award.

The Competitions motivated the students to understand the importance of innovations in Science & Technology and the Interactions during the Scientific Sessions have boosted the Scientific spirit of the students. On this occasion, Students of our College who have volunteered for humanitarian service and made a remarkable contribution to the Society were honored with Responsible Citizen Award. The Science Forum Alumni Members were invited for the occasion and they shared their inspiring experiences they had during their participation in Science Forum activities with the current batch of students. They emphasized that the practical exposure they received has been a lifelong learning experience for them and had been much useful and helpful in their present Career. The students also paid tributes to the Nobel Laureate Scientist Sir C V Raman in whose honor India celebrates National Science Day.

HEAD OF THE DEPARTMENT
DEPARTMENT OF BIOCHEMISTRY
KONGU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)
ERODE - 638 107.



Page 1

Dr. N. RAMAN
PRINCIPAL,
KONGU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)
NANJANAPURAM, ERODE - 638 107



Dr. N. Raman
HEAD OF THE DEPARTMENT
DEPARTMENT OF BIOCHEMISTRY
KONGU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)
ERODE - 638 107.



Page 2

Dr. N. RAMAN
PRINCIPAL,
KONGU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)
NANJANAPURAM ERODE - 638 107



KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), ERODE
DBT STAR COLLEGE SCHEME
BIOCHEMISTRY, BIOTECHNOLOGY, MATHEMATICS,
COMPUTER SCIENCE, PHYSICS
 In association with
OBE Monitoring Committee, KASC

ONE DAY WORKSHOP ON
'IMPLEMENTATION OF OUTCOME BASED CURRICULUM FRAME WORK'
(27.01.2022)

REPORT

KONGU ARTS AND SCIENCE COLLEGE
 (An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)
 Nanjanapuram, Erode - 638 107

DBT STAR COLLEGE SCHEME

DBT Star Departments
 in Association with
 OBE Monitoring Committee
 Cordially invite you to the
 One Day Faculty Development Programme cum Workshop
 on
"Implementation of Outcome Based Curriculum Framework"

Thiru.K.Palanisamy
 Correspondent
 has graciously consented to preside over the function

Dr.N.Raman
 Principal
 has kindly consented to felicitate the function

Dr.N.Muthumani
 Principal
 PPG College of Arts and Science
 Coimbatore
 has kindly consented to be the Resource Person

Date: 27.01.2022
 Time: 10.00 am
 Venue: Ramanujan Hall

KONGU
 Autonomous College

The star departments (Biochemistry, Biotechnology, Mathematics, Computer Science and Physics) of KASC jointly organized the One Day Workshop on 'Implementation of Outcome Based Curriculum Framework' on 27.01.2022 @ Ramanujan Hall. Dr. N.Muthumani, Principal, PPG College of Arts and Science, Coimbatore was acted as resource person. Around 168 faculty members were benefitted through this programme. Faculty members were equipped with knowledge in Outcome Based Education. The faculty members gained knowledge in PO, PSO, CO for OBE Based Education for Curriculum Frame Work.



add on
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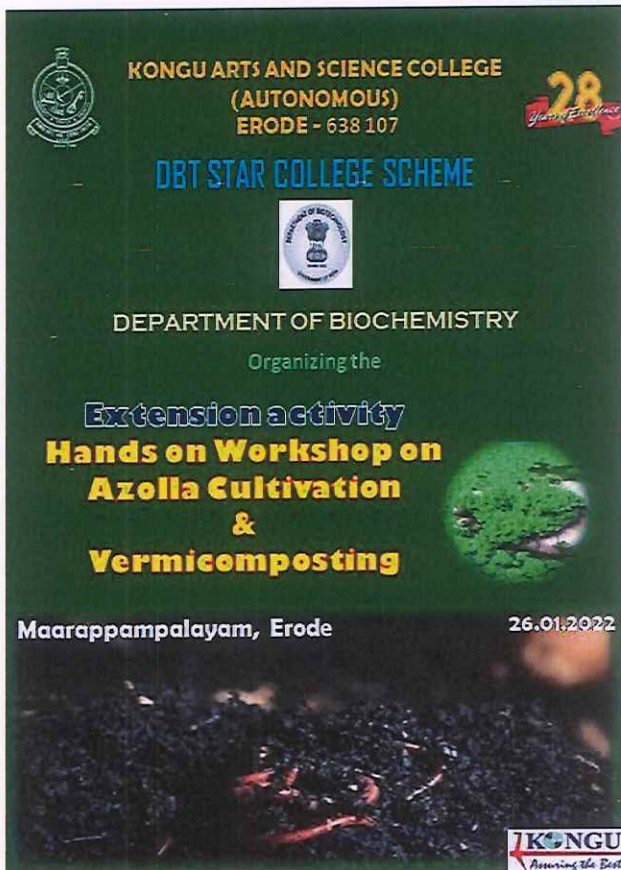
Dr. N. RAMAN
DR. N. RAMAN
PRINCIPAL,
KONGU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)
NANJANAPURAM, ERODE - 638 107.



KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), ERODE
DEPARTMENT OF BIOCHEMISTRY
DBT STAR COLLEGE SCHEME

Extension activity
Hands on Workshop on Azolla Cultivation and Vermicomposting
(26.01.2022)

REPORT



Department of Biochemistry conducted a Hands on Workshop on Mushroom Cultivation and Azolla Cultivation [Training by Trainee] as Extension activity in Maarappampalayam area, Erode District under DBT Star College scheme. 16 Members from Maarappampalayam were the beneficiaries.

Students and Faculty from Department of Biochemistry Conducted the skill transfer hands-on workshop with the public. They explained them regarding mushroom and Azolla cultivation techniques and procedures to be followed to get better yield. They also demonstrated the same with the people in maarappampalayam. This activity supported people to be small scale entrepreneurs.



Dr. N. Raman
HEAD OF THE DEPARTMENT
DEPARTMENT OF BIOCHEMISTRY
KONGU ARTS AND SCIENCE COLLEGE
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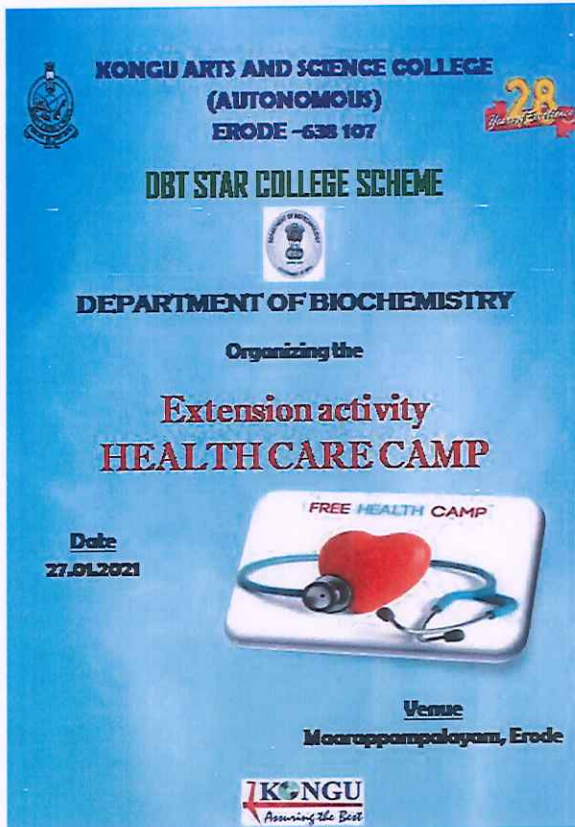
Dr. N. Raman
Dr. N. RAMAN
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KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), ERODE
DEPARTMENT OF BIOCHEMISTRY
DBT STAR COLLEGE SCHEME

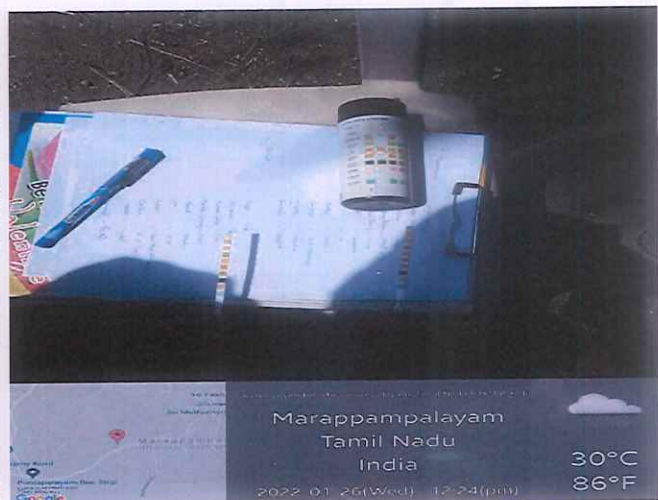
Extension activity - Health Care Camp
(26.01.2022)

REPORT



Department of Biochemistry conducted a [Health care camp] Extension activity in Maarappampalayam under DBT Star College scheme. 30 Members in Maarappampalayam were the beneficiaries.

Students from Department of Biochemistry gave awareness about the COVID vaccine among non vaccinated people and shared pamphlets indicating its importance, They suggested vaccinated people to get booster dose under the guidance of Mr.S.Natarajan, Assistant Professor, Department of Biochemistry .They also carried out blood grouping and blood sugar tests for 30 members in that area. This activity supported people to be aware of their health and preventive measures to be followed in this pandemic situation about their health.



dd Day
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DEPARTMENT OF BIOCHEMISTRY
KONGU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)
ERODE - 638 107.



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Dr. N. RAMAN
PRINCIPAL,
KONGU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)
NANJANAPURAM, ERODE - 638 107.



KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), ERODE

DEPARTMENT OF BIOCHEMISTRY

DBT STAR COLLEGE SCHEME

SIGNING OF MEMORANDUM OF UNDERSTANDING (MoU)

(18.11.2021)


REPORT

Kongu Arts and Science College, Erode has signed a Memorandum of Understanding (MoU) with Prince of Songkla University, Surat Thani Campus, Thailand. The Memorandum of Understanding was signed by Mr. K. Palanisamy, Correspondent of the Kongu Arts and Science College, Dr. N. Raman, Principal and Dr. Charoen Nakason Professor and Vice-Chancellor of the Prince Songkla University, Dr. Tule Sirikitputtisak, Assistant president for International Affairs, Cooperative Education and Special Affairs.

This collaboration with the International University will **promote the quality of Education through teacher-student exchange program**. It also will **enhance the quality of Education, international research projects, seminars, workshops** etc.

The departments of the college, especially Department of Biochemistry and Biotechnology have ample opportunities to get enriched in research oriented activities. Management thanked our **Alumni Dr. Karthikeyan Venkatachalam**, Assistant Professor, Department of Food Technology, Faculty of Innovative Agriculture and Fisheries, Prince of Songkla University, Surat Thani, Thailand for his constant support in signing this MoU. The Correspondent of the College expressed his appreciation for signing this International Memorandum of Understanding.




HEAD OF THE DEPARTMENT
DEPARTMENT OF BIOCHEMISTRY
KONGU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)
ERODE - 638 107.




Dr. N. RAMAN
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