

**INTERCOLLEGIATE COMPETITION  
'QUIZ 2017-18'  
KERALA**

2<sup>nd</sup> March 2018

**REGISTRATION FORM**

Name of the College: .....

.....

College Address: .....

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.....

.....

Faculty in-charge: .....

.....

Mobile No.: .....

E-mail id: .....

Sl. No.	Name of the Student	Year & Class
1		
2		
3		

**Organizing Committee**

Chairman

Rev Dr. Tomy Padijareveetil  
Principal, St. Berchmans College (Autonomous),  
Changanassery

Dr. B. Venkatraman

Director, HSEG and RM & PAG IGCAR, Kalpakkam

Co-Chairman

Dr. Issac Paul

Head, Department of Physics  
St. Berchmans College, Changanassery

Dr. R. Baskaran

Head, RSD, IGCAR, Kalpakkam

Conveners

Dr. Sajith Mathews T

Assistant Professor, Department of Physics  
St. Berchmans College, Changanassery

Dr. M.T. Jose

Head, RSS, RSD, IGCAR, Kalpakkam

Co-conveners

Shri. Benny Joseph

Assistant Professor, Department of Physics  
St. Berchmans College, Changanassery

Shri. S. Chandrasekaran

RAMS, RSD, IGCAR, Kalpakkam

Committee members

Dr. Jacob Mathew,

Associate Professor, Department of Physics  
St. Berchmans College, Changanassery

Dr. Joshy Jose,

Assistant Professor, Department of Physics  
St. Berchmans College, Changanassery

Shri. R. Mathiyarasu

Head, RDS, RSD, IGCAR

Dr. K. Sivasubramanian

Head, RAMS/ RSD, IGCAR

Dr. C.V. Srinivas

Head, RIAS, RSD, IGCAR

Shri. S. Viswanathan

Treasurer, INSIK, IGCAR, Kalpakkam

Awareness Meet & Exhibition on  
Nuclear Science and Technology and  
its various societal applications

&

**Intercollegiate Competition**

'Quiz 2017-18'

KERALA

1 & 2 March 2018



Organized by

INDIRA GANDHI CENTRE FOR ATOMIC

RESEARCH (IGCAR)

KALPAKKAM-603102

&

DEPARTMENT OF PHYSICS

ST. BERCHMANS COLLEGE (AUTONOMOUS)

CHANGANASSERY-686101

(Affiliated to MG University, Kottayam,  
Reaccredited with "A" Grade by NAAC)

## PREAMBLE

Indira Gandhi Centre for Atomic Research was set up at Kalpakkam, 80 km south of Chennai, in 1971 with the main objective of conducting broad based multidisciplinary programme of scientific research and advanced engineering, directed towards the development of sodium cooled Fast Breeder Reactor (FBR) technology in India. This is part of the second stage of Indian Atomic Energy Programme, which is aimed at preparing the country for utilization of the extensive Thorium reserves and providing means to meet the large demands of electrical energy in future.

IGCAR, Kalpakkam is organizing an Inter Collegiate Competition 'Quiz 2017-18' for college students. The major focus of the quiz competition is to create a general awareness on nuclear science and technology, its benefits, various applications in society and also on research and career prospects.

This competition is being conducted in Tamilnadu for the last four years. Now for the first time in Kerala, the competition is being organized at **St. Berchmans College (Autonomous), Changanassery** for students from Kerala.

## ABOUT THE INSTITUTION

St. Berchmans College (Autonomous), established in June 1922, has emerged as a leading centre for teaching, learning, and research in the field of higher education in South India. St. Berchmans College is the first higher education institution of the Archdiocese of Changanacherry. It was started with the noble aim of the Universal Catholic Church to mould young men and women who will strive for excellence in every walk of life and human service. The college offers doctoral programmes in 8 disciplines, 3 M.Phil programmes, 19 post graduate courses and 16 under graduate courses. All the Science Departments of the college are supported by the **FIST - DST**.

## ABOUT THE DEPARTMENT

The Department of Physics started in 1925, with the commencement of science groups in the intermediate courses. Prof. D Gopalan, the first member of the faculty was a disciple of Sir. C.V Raman. Affiliation to B.Sc Physics and M.Sc Physics

were granted in 1945 and 1961 respectively. The department was accorded the status of research centre in 1986. The thrust areas of research are Crystal Growth, Nanomaterials, Spectroscopy, Plasma Physics, Graphene Physics and Theoretical Physics. The department started M Phil course in Physics in the year 2012. The department has received grants for carrying out Major and Minor research Projects from UGC, DST, DAE, KSCSTE and DBT.

## QUIZ COMPETITION

This one day Quiz competition on Atomic, Nuclear and General Science jointly organized by **St. Berchmans College, Changanassery and IGCAR, Kalpakkam** will be held on 2<sup>nd</sup> March 2018. Apart from Quiz competition, an awareness meet & exhibition on Nuclear science and technology and its various societal applications is being arranged on 1 & 2 March 2018.

## RULES AND FORMATS

- The participating colleges have to send the names of the students in a team, which cannot be altered.
- Please use the proforma provided overleaf. Use the photocopy if, more than one team is participating. Maximum two teams are permitted from a college.
- A team shall comprise of three students. The students are requested to be present at the venue by 9.30 am on 02/03/2018.
- Lunch and Tea will be provided for all the students and accompanying staff.
- The Competition will be conducted in three phases.
- Please register the name of the team members on or before 26<sup>th</sup> February 2018 through Email or phone to the Convener.

## PRELIMINARY ROUND

- About 30 minutes duration of Written test- Objective type

## SEMI FINAL ROUND

- Top twelve teams will be selected on the basis of marks obtained in preliminary round and

the teams will be split into two groups of six teams each.

- Top three teams from each group will be qualified for the final based on a quiz of one-hour duration.

## FINAL ROUND:

- The top three teams from each group will be the finalists.
- The final round will be conducted for 90 minutes.

No Registration Fee for the Programme.

## PRIZES

Winner team will get cash prize of Rs. 4500, runner-up team will receive Rs.3000 and third team will get consolation amount of Rs.1500 along with a trophy and certificate. Participation certificates will be issued to all the participants.

## WHO CAN PARTICIPATE

UG and PG students from Arts & Science colleges, from Kerala are eligible to participate.

## TOPICS

- Radiation and radioactivity
- Atomic and Nuclear physics
- Nuclear reactors around India
- Societal applications of ionizing radiation in the fields of medicine, industries, food irradiation etc.
- General science and Mathematics

## HOW TO APPLY

Duly filled-in Registration form in the prescribed format should be submitted to:

## Convener

**Dr. Sajith Mathews T**  
Assistant Professor, Department of Physics,  
St. Berchmans College, Changanassery-686101  
Email: [physics@sbccollege.ac.in](mailto:physics@sbccollege.ac.in)  
Mobile: 8281237308, 8281472647, 9447061495

## IMPORTANT DATES

Last date for receiving the filled-in  
Registration form: 26.02.2018  
Quiz Competition: 02.03.2018

**സമ്മാനങ്ങൾ**

ഒന്നാം സമ്മാനം

ഡോ. ബി. അമ്പാടി മെമ്മോറിയൽ  
എവർ റോളിംഗ് ട്രോഫിയും 3001 രൂപയും

രണ്ടാം സമ്മാനം

2001 രൂപ

മൂന്നാം സമ്മാനം

1501 രൂപ

ദീക്ഷ മാവേലി

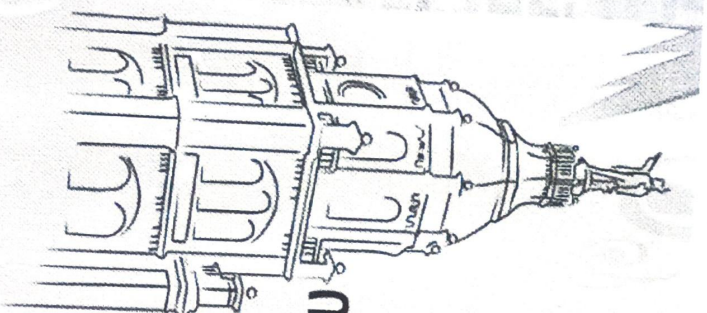
750 രൂപ



ഫിമുകൾ 2017 ആഗസ്റ്റ് 25 -ാം തീയതി  
4 മണിക്കൂർ മുമ്പായി ജേസ്റ്റർ ചെയ്യേണ്ടതാണ്.

എവർക്കും

പൊന്നോസൗശംസകൾ..

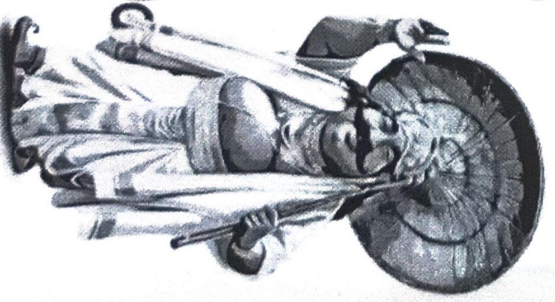


എസ്. ബി കോളേജ്  
സി.എസ്. എം. ഒരുകുന്ന

**പുണ്യാട്ടി '17**

ആഗസ്റ്റ് 31 വ്യാഴം

**ദോണപ്പുക്കളെ മാതൃരക്തം**



**മാവേലി മാതൃരക്തം**



Requests the honour of your esteemed presence

# *Berch Entrepreneurs' Day*

Friday 20th October 2017 11.30 am Kayyarkatt Hall

Chief Guest

**SRI. KODIKUNNIL SURESH**

Honorable Member of Parliament

Guest of Honour

**Mr. JIBU PAUL**

Vice President - KMA & CEO, Brandbrains

# *Berch Empressario - 2017*

Entrepreneur of the Year  
*22<sup>nd</sup> Edition*

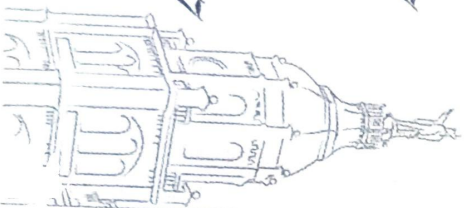
**Mr. K George Varghese**  
MD, Quality Food Products Industries

# *Berch de inicio - 2017*

**Start-Up Award**  
**Extravelmoney.com**

# *Nueva Empresa - 2017*

**Business Plan Competition**



**Mr. K George Varghese**  
Quality Food Products Industries  
Chertthala

Quality food products industries is a leading formulator and processor of flavours and food products for the past 30 years and is committed to providing the paramount in value premium products to meet the best interest of its customers.

From its humble beginnings back in 1984 as a small industry at Panavally Village, Quality Food Products has strived obstinately to build its reputation within the industry to grow into a vast establishment with maximised team effort and diversified experience, as a result of which it is now recognized as one of the premier food produce companies with imported German Machineries and computed productivity. Furthermore, Quality achieved its growth not through sustainability in product quality and through word of mouth.

Quality Food Product Industries are constantly researching and developing new product ranges and refining the existing sectors, maximizing every opportunity in the ethnic markets in India. Within the state of Kerala, there are more than 23000/ Wholesale outlets, selling products.

**George Zachariah**  
CEO, extravelmoney.com



Extravelmoney.com is an algorithm driven forex marketplace on which travellers can find the nearest authorized money changers/banks and the best available rate along with customer ratings, proximity etc. Servicing the customer and home delivery/pick-up is taken care of by the money changer while Extravelmoney.com's technology solutions make sure that the process happens smoothly and quickly.

Extravelmoney.com effectively brings a hyper-local e-commerce model to foreign exchange & remittance industry.

Moreover money remittance from India (for gifts, overseas education expenses, maintenance of close relative etc.) involving high value transactions can be made on the Extravelmoney.com platform to significantly reduce transaction costs. The Competitive Advantage of extravelmoney is that they bring all the money changing services online Customers can choose a store based on rate, proximity, door delivery, mode of payment, service feedbacks etc. It also have largest number of networked service agent tie-ups.

George Zachariah is the Chief Executive Officer of Extravelmoney. He has 14 years of experience in foreign exchange and remittance business. Has served banks and MNCs including Centurion Bank of Punjab and Reliance Capital



Department of Botany  
St Berchmans College  
(Autonomous)  
Changanassery

Kerala Botanical Society  
(A Society for uniting Botanists and Promoting  
Botanical Interests of Kerala.)  
Reg. No. ER. 193/92

**State Level Workshop  
and  
M.Sc. Botany Project Presentation Competition 2017**

*Certificate*

*Certified that .....*

*.....  
participated / presented paper / was Resource person / was Member of the Jury / Member of  
Organizing Committee in the State Level Workshop and M. Sc. Botany Project Presentation  
Competition 2017, held at St Berchmans College (Autonomous), Changanassery on 05-08-2017.*

**Dr. Scaria K Varghese**

Head, Department of Botany  
St Berchmans College

**Dr. Benny Jacob**

President

Kerala Botanical Society

**Dr. Tomy Joseph**

Principal

St Berchmans College