

## Workshop on instrumental methods for chemical analysis-2017

The consultancy Division in collaboration with the Department of Chemistry organized a two-days workshop on instrumental methods for chemical analysis on 22nd and 23rd August 2017. the workshop on intended to provide hands on experience in use of advanced research equipments to post graduate and research students.







# M E S KEVEEYAM COLLEGE

Re-accredited by NAAC with A Grade

Valanchery – 676552, Malappuram Dt., Kerala State, India

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## CIRCULAR

Department of Chemistry, MES KeVeeYam Valanchery, decide to organize a two workshop on instrumental methods for chemical analysis on 22nd and 23rd August 2017. All staffs and students are hereby notified to be present for the successful conducting of the function.

Head of the Department



Principal

PRINCIPAL  
M.E.S KEVEEYEM COLLEGE  
VALANCHERY, PIN- 676 552  
MALAPPURAM

## Foreword

The Research and Post Graduate Department of Chemistry of MES Keveeyam College Valanchery has been augmented with advanced research and e-learning amenities by the joint funding of FIST programme of Department of Science and Technology, Govt. of India, Universities Grants Commission and Kerala State Council for Science, Technology and Environment. The research facilities of the institution are available for innovative and decisive studies. The consultancy division under the Internal Quality Assurance Cell acts as a facilitator between the institution and the industry or the larger research community.

The Consultancy Division in collaboration with the Department of Chemistry organized a two-day workshop on Instrumental Methods for Chemical Analysis on 22<sup>nd</sup> and 23<sup>rd</sup> of August 2017. The workshop was intended to provide hands on experience in use of advanced research equipments to post graduate and research students.

We are thankful to all the dignitaries who attended the inaugural function of the workshop and to the resource persons of the workshop. We are also thankful to the teachers of various colleges who have taken great interest in the participation of their students in the workshop

**Prof. K M Rukkiya**  
(Head, Department of Chemistry)  
Division)

**Dr. C Rajesh**  
(Coordinator, Consultancy

## **ABOUT OUR INSTITUTION**

MES Keveeyam College Valanchery has educated and shaped the future of students belonging to the rural precincts of Malappuram and nearby districts for nearly 35 years. The college has maintained a positive academic atmosphere for intellectual pursuits that has consistently been rewarded with excellence in curricular and co-curricular endeavours. The college is a Govt. aided institution run by Muslim Educational Society, affiliated to the University of Calicut and included under 2(f) and 12(b) of the UGC act. It has blossomed into a premier institution offering 9 undergraduate, 6 post graduate programmes apart from various other UGC add-on courses and trainings. The institution marked another significant milestone with the sanctioning of a Research Centre to Department of Chemistry in 2014. It was a felicitous recognition of the college striving for excellence when the college was conferred an 'A' grade in the NAAC accreditation with CGPA 3.28. A well equipped research complex with state-of-the art facilities has been inaugurated in 2017. Our College has been ranked at 51 by NIRF of MHRD, Govt. of India in 2016-17.

## **ABOUT THE DEPARTMENT OF CHEMISTRY**

Since its inception in the year 1981, the Department of Chemistry functioned with the declared objective of imparting scientific knowledge in the field of chemical science and to aid the development of student community and hence the society. The Under graduate programme in Polymer Chemistry started in

1995 and the post graduate programme started in 1998. The Department was affiliated as a research centre by the University of Calicut in 2014. The research complex with state-of-the art facilities has been inaugurated in 2017 with funding from Department of Science and Technology.

## **ABOUT THE CONSULTANCY DIVISION**

The research facilities of the institution are available for the earnest use. Research scholars, Post Graduate students doing their projects and people from industry can access the facilities of the research complex by paying a modest fee. The consultancy division under the Internal Quality Assurance Cell acts as a facilitator between the institution and the industry or the larger research community.

## **EXECUTIVE SUMMARY**

M E S Keveeyam College Valanchery envisages becoming a leading centre of higher learning nurturing all-round academic excellence along with core human values: a vibrant institution which enlightens the youth just as it enriches and empowers them and remains a resource centre for the society. In order to translate this vision into action, liberal education is provided to all categories of students to shape a generation with competence and social commitment. Abiding with its avowed objective of promoting advanced learning, the college is well set to dedicate to the nation its research complex where state -of -the - art facilities for research and e-learning is arranged.

In keeping with its trajectory of growth, it is only natural that the college aspires to scale heights in research. It is this necessity that the college has now addressed with its full-fledged Research Block that is one of a kind in the state. The research block was actualized by the prudent utilization of financial assistances received from central and state government supported at every juncture by the management. The research complex comprises of Instrumentation hall, Research Laboratory, Polymer Processing Lab, E-Learning Centre, Audio Visual Hall, and ICT Lab. Well furnished rooms are arranged for research guides and scholars.

In order to provide hands on experience in use of advanced research equipments to post graduate students, the Department of Chemistry in collaboration with the Consultancy Division organized a two-day workshop on

‘Instrumental Methods of Chemical Analysis’ on 22<sup>nd</sup> and 23<sup>rd</sup> of August 2017. The workshop was inaugurated by Dr. P Ravindran (Head, Department of Chemistry, University of Calicut) on 22<sup>nd</sup> August 2017 at the AV Hall. Dr. C Abdul Hameed (Principal, MES Keveeyam College Valanchery) presided over the function. Prof. K P Hassan (Secretary, College Managing Committee) and Dinil S (Staff Secretary) felicitated the function. Prof. K M Rukkiya (Head, Department of Chemistry) welcomed the participants and Dr. Preethy Alex expressed the vote of thanks.

The inaugural session was followed by the first technical session which was handled by Dr.P Ravindran who talked about *Theoretical Fundamentals of UV and IR Spectroscopy*. This was followed by a *Demonstration training on the use of UV and IR spectrometers* which was lead by Mr. Rajesh S (Sr. Territory Manager) and Mohammed Asaraf Ali (Sr. Service Executive) of Toshvin Analyticals, Cochin. On the second day of the workshop M A Azhar Abdulrazak (*Apollo Tyres, Chalakkudy*) gave a lecture on *Methods for Polymer Testing*. This was followed by a *Lecture-cum- Demonstration training on the use of Universal Testing Machine* Mr. Surya Kumar(Sr. Service Engineer, Shimadzu, Chennai). In the afternoon session Dr. Jisha VS (Department of Chemistry, MES Keveeyam College Valanchery) conducted a *Lecture cum Demonstration training on the use of Equipments for organic synthesis*. It was followed by a *Lecture cum Demonstration training on the use of Equipments for Polymer Testing* by Dr. C Rajesh (Department of Chemistry, MES Keveeyam College Valanchery).

Dr. C Abdul Hameed (Principal) distributed the certificates to participants in the valedictory function. Prof. K M Rukkiya chaired the function. Mr. Rajesh (Sr Manager, Shimadzu, Chennai) was the chief guest of the function. Dr. C Rajesh welcomed the audience and Dr Jisha VS expressed the vote of thanks.

More than 100 students and teachers from various colleges across Kerala participated in the workshop.

## PHOTO GALLERY Inaugural Function



**Prof. K M Rukkiya (Welcome Speech)**



**Dr. C Abdul Hameed (Presidential Address)**



**Dr. P Raveendran (Inaugural Address)**



**Prof. K P Hassan (Felicitation)**



**Dinil S (Felicitation)**

**Dr. Preethy Alex (Vote of Thanks)**

## **Technical Sessions (Lectures)**



**Dr. P Ravindran**

**Mr. M A Azhar Abdul Rasak**

## **Technical Sessions (Demonstrations)**



## **Valedictory Function and Distribution of Certificates**



**(Welcome Speech)**



**Dr. C Abdul Hameed (Valedictory Address)**

**Dr. C Rajesh**



**Mr. Rajesh (Shimadzu, Chennai)**  
**Distribution of Certificates**



**Dr. Jisha VS (Vote of Thanks)**

## **Event in Media**

## ഓണച്ചന്ത

തിരുവർ - സെൻട്രൽ  
പ്രദർശനമില്ല  
ഖയാ. (UFO DTS)

തിരു: റിൻറെ പ്രവർത്തനം പെട്ടെന്ന് 26ന് മലസമർപ്പി വൈ. നിലാൻ എം.ടി. വ്വൈ.

