



T. K. M. COLLEGE OF ARTS AND SCIENCE
TKMC P. O., KOLLAM

INTERNAL QUALITY ASSURANCE CELL
(IQAC)

ANNUAL REPORT
2019

www.tkmcas.ac.in

Table of Contents

About IQAC	3
Objectives and Functions of the IQAC	3
Members of IQAC.....	4
Report Summary	5
DETAILED REPORTS OF THE PROGRAMS	6
1. FDP on 'Harmonic Analysis'	6
2. Training on 'Dose Calculation in Radiation Therapy'	8
3. Two day Workshop on 'Entrepreneurship and Soft Skill Development'	10
4. One day Workshop on Faculty Intervention in Control of Vector Borne Diseases.....	13
5. FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education	16
6. One day workshop on 'Gateway to financial freedom'	19
7. Workshop on 'Investment Planning in Capital Market'	21
8. One day workshop on 'Quality Assessment in Higher Education-New Trends'.....	23
9. Making Calculation Easy - An Introduction to Excel	25
10. Hands on training in Latex	27
11. Training in C++ Programming.....	29
12. Faculty Training for Programming Language – Python.....	31
13. Training Program on Business mathematics.....	33
Other Major Activities.....	36
IQAC Initiatives.....	36
Feedback Report	36
List of Faculties who participated in various training programs/ FDPs/Refresher/Orientation Programs in 2018-19.....	37
List of faculties provided with financial support to attend various programs.....	40



About IQAC

The IQAC, established in 2004, plays a pivotal role in maintaining and monitoring the academic, extra-curricular and administrative aspects of the college, with the exclusive purpose of quality improvement. The IQAC provides crucial support for the management and the Principal in the process of decision-making and implementation of quality enhancement policies. The primary task of the IQAC is to develop a system for conscious, consistent and catalytic improvement in the overall performance of the institution.

Objectives and Functions of the IQAC

- The IQAC stays abreast of and disseminates the various developments in the higher education sector, specifically focusing on the UGC and NAAC guidelines which undergo constant updations.
- IQAC facilitates the creation of a learner-centric atmosphere in the college which makes use of various innovative and participatory teaching as well as learning techniques; making great strides in improving the ICT and IT facilities in the college, energizing the various academic and administrative functions of the college.
- The IQAC provides support for the various departments and extension clubs in the conduct of academic and extra-curricular seminars, workshops and lectures.
- The consolidation of documents with regard to student and faculty profiles, result analysis, curricular and co-curricular events organized by the college, financial and academic audit, infrastructure development etc.



Members of IQAC

Sl. No.	Name	Position
1.	Dr. Shahal Hassan Musaliar	Patron, President, T. K. M. College Trust
2.	Ms. Shajitha S	Chairperson (Principal)
3.	Dr. Sumalekshmy S.	Coordinator
4.	Dr. Ansil P. N.	Assistant Professor in Biochemistry
5.	Dr. Finser K. Muhammed	Assistant Professor in Islamic History
6.	Mr. Safir T. K.	Assistant Professor in Physics
7.	Dr. Sulfia S. Santhosh	Assistant Professor in English
8.	Dr. Abdul Rahim M. K.	Assistant Professor in Chemistry
9.	Dr. P. K. Manoj	Assistant Professor in Physics
10.	Dr. Shehnaz S. R.	Assistant Professor in Commerce
11.	Dr. Aswathy M. R.	Assistant Professor in Mathematics
12.	Mr. Narayana Prasad	Assistant Professor in Mathematics
13.	Jb. T. K. Jalaluddin Musaliar	Industrialist/Employer Representative
14.	Dr. M. Haroon	Alumni Representative
15.	Prof. Abdul Majeed	Local Representative
16.	Senior Superintendant	Administrative Official
17.	Miss. Bincy Thomas	Student Representative



Report Summary

Sl. No.	Items	Number/Date
1	Number of IQAC meetings conducted	16
2	Professional development program organized for teaching/non-teaching staff	13
	FDP on 'Harmonic Analysis'	14/03/2019 - 14/03/2019
	Training on 'Dose Calculation in Radiation Therapy'	07/03/2019 - 07/03/2019
	Two day Workshop on 'Entrepreneurship and Soft Skill Development'	28/01/2019 - 29/01/2019
	One day Workshop on Faculty Intervention in Control of Vector Borne Diseases	03/01/2019 - 03/01/2019
	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education	03/01/2019 - 09/01/2019
	One day workshop on 'Gateway to financial freedom'	12/12/2018 - 12/12/2018
	Workshop on 'Investment Planning in Capital Market'	12/12/2018 - 12/12/2018
	One day workshop on 'Quality Assessment in Higher Education-New Trends'	06/12/2018 - 06/12/2018
	Making Calculation Easy - An Introduction to Excel	29/11/2018 - 29/11/2018
	Hands on training in LaTeX	23/10/2018 - 23/10/2018
	Training in C++ Programming	04/10/2018 - 04/10/2018
	Faculty Training for Programming Language - Python	12/09/2018 - 12/09/2018
	Training Program on Business mathematics	20/06/2018 - 20/06/2018
3	Number of teachers provided with financial support to attend conferences/workshop	50
4	Number of teachers participated in Faculty Development Programmes/Professional Development Programmes/Orientation/Induction Programmes/Refresher Course/Short Term Course	45



DETAILED REPORTS OF THE PROGRAMS

1. FDP on 'Harmonic Analysis'

**PROFESSIONAL
DEVELOPMENT
PROGRAM**

14-03-2019
Thursday

ORGANIZED BY **IQAC**
IN ASSOCIATION WITH
DEPARTMENT OF MATHEMATICS

FACULTY DEVELOPMENT PROGRAMME ON
HARMONIC ANALYSIS

RESOURCE PERSON



Dr. Easwaran Namudiri T C
Assistant Professor,
Govt. Brennan college, Thalassery



T. K. M. COLLEGE OF ARTS AND SCIENCE
TKMC P.O., Kollam- 691005, Kerala
www.tkmcas.ac.in

In association with the Pi-Day celebration, the IQAC and Department of Mathematics organized a Faculty Development Programme on 'Harmonic Analysis'. It was held on 14th March 2019.



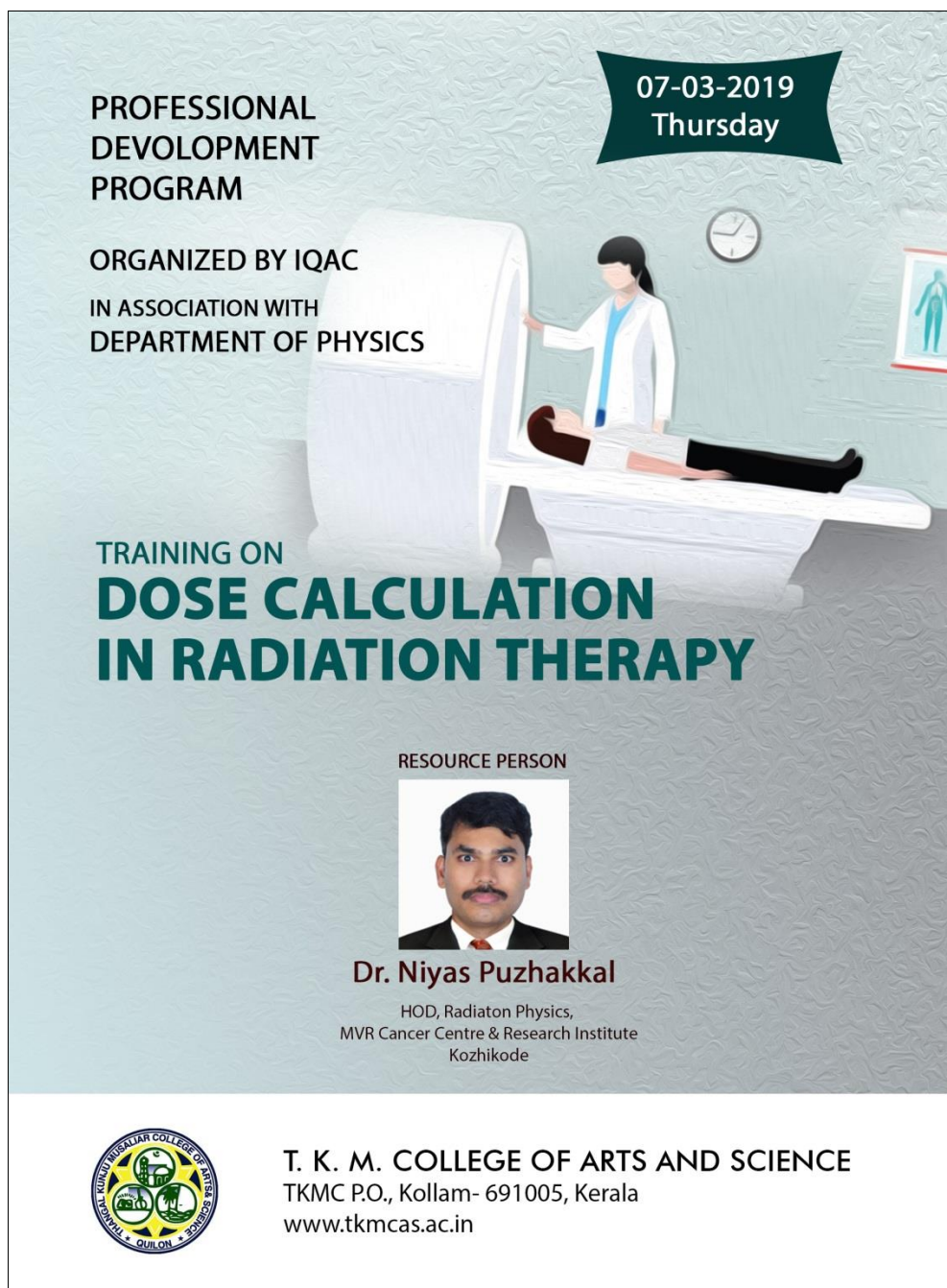
The chief guest of the program was Dr. Easwaran Nambudiri, Assistant Professor, Govt. Brennan College, Thalasseri. The former Principal and Liaison officer Prof. Hashimudeen A. delivered the presidential address. He appreciated the students and the faculty of the Department of Mathematics for their laudable performance. The chief guest, Dr. Easwaran Nambudiri through the inaugural speech expressed his gratitude to the organizers for the initiative. His speech made the participants understand the difficult concepts of harmonic analysis and generalization of the notions of Fourier series and Fourier transforms. The Head of the Department of Mathematics, Dr. Pathumma Beevi M. felicitated the function. At the end of the session the IQAC Coordinator Dr. Sumalekshmy S. proposed the vote of thanks.



Dr. Easwaran Namudiri delivers his speech



2. Training on 'Dose Calculation in Radiation Therapy'



PROFESSIONAL
DEVELOPMENT
PROGRAM

07-03-2019
Thursday

ORGANIZED BY IQAC
IN ASSOCIATION WITH
DEPARTMENT OF PHYSICS

TRAINING ON
**DOSE CALCULATION
IN RADIATION THERAPY**

RESOURCE PERSON



Dr. Niyas Puzhakkal
HOD, Radiation Physics,
MVR Cancer Centre & Research Institute
Kozhikode



T. K. M. COLLEGE OF ARTS AND SCIENCE
TKMC P.O., Kollam- 691005, Kerala
www.tkmcas.ac.in

IQAC, TKM College of Arts & Science and Department of Physics organized a Professional Development Program on “Training on dose calculation in radiation physics” on 7.3.2019. The program was exclusively for the faculty members and post-graduate students of the Department of Physics. The resource person of the program was Dr. Niyas Puzhakkal, HOD, Radiation Physics, MVR Cancer Centre and Radiation



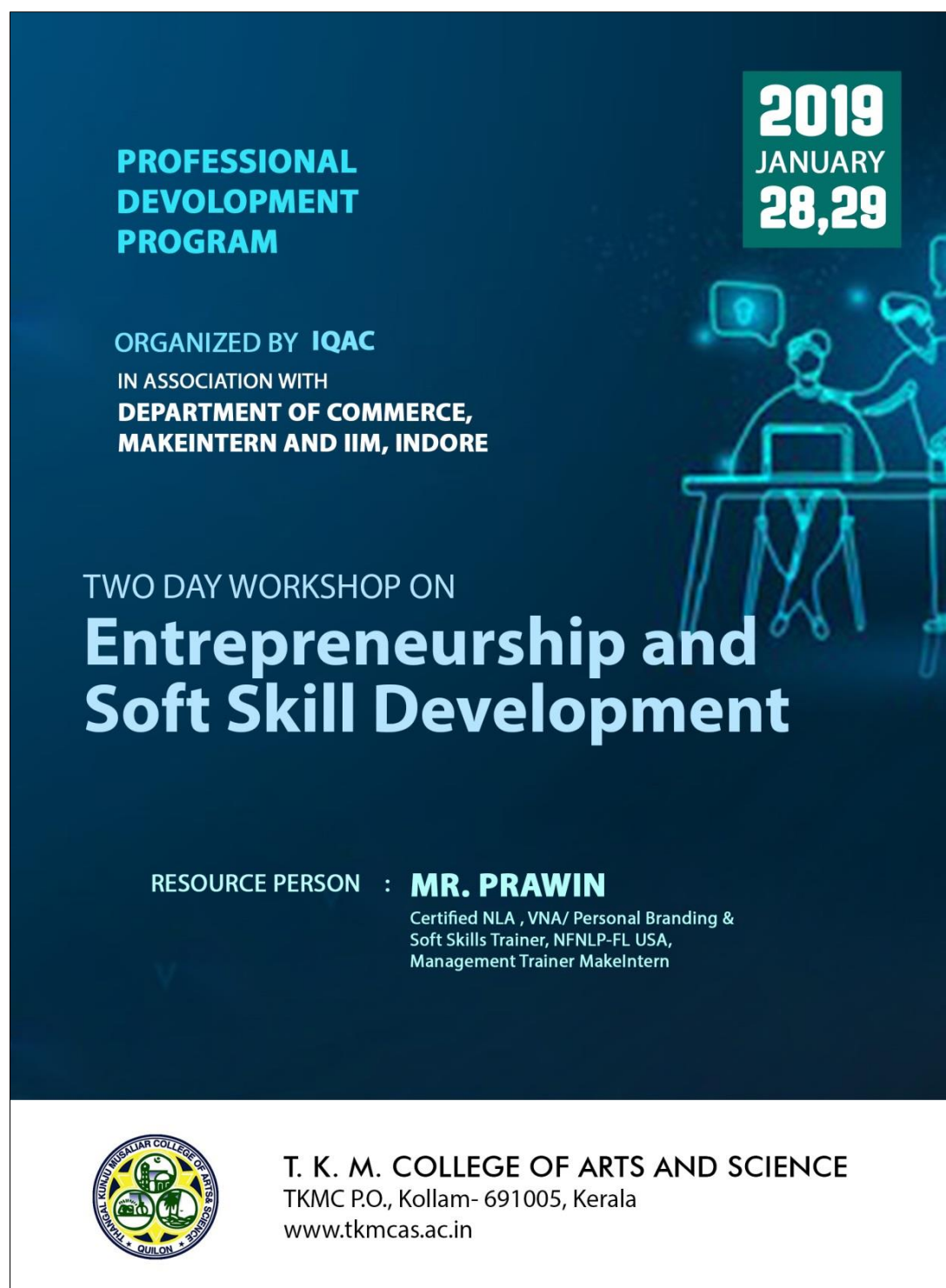
Institute. The resource person explained the different scientific research methods used in the field of radiation Physics. All the faculty members participated in the programme.



Dr. Niyas Puzhakkal delivers his speech



3. Two day Workshop on 'Entrepreneurship and Soft Skill Development'



**PROFESSIONAL
DEVELOPMENT
PROGRAM**

**2019
JANUARY
28,29**

ORGANIZED BY **IQAC**
IN ASSOCIATION WITH
**DEPARTMENT OF COMMERCE,
MAKEINTERN AND IIM, INDORE**

TWO DAY WORKSHOP ON
**Entrepreneurship and
Soft Skill Development**

RESOURCE PERSON : **MR. PRAWIN**
Certified NLA , VNA/ Personal Branding &
Soft Skills Trainer, NFNLP-FL USA,
Management Trainer MakeIntern



T. K. M. COLLEGE OF ARTS AND SCIENCE
TKMC P.O., Kollam- 691005, Kerala
www.tkmcas.ac.in

The Internal Quality Assurance Cell in association with the Department of Commerce, TKM College of Arts and Science, Kollam, MakeIntern and IIM Indore conducted a Two-Day Workshop on 'Entrepreneurship and Soft Skill Development' on



28 and 29 January 2019. The programme began with a welcome address by Prof. Ruksana Sulthana A.H., Head of the Department of Commerce and, Prof. Shajitha S., the Principal of the college delivered the presidential address. Janab T.K. Shahal Hassan Musaliar, Honourable Chairman, T.K.M. College Trust, inaugurated the Workshop. Mr. Parwin, Certified NLA,VNA/Personal Branding and Soft Skills Trainer, NFNLP-FL USA, Management Trainer, MakeIntern was the resource person. Prof. A Hashimudeen, Liaison Officer, and Firoz Khan A, Assistant Professor, Department of Commerce felicitated the occasion. Dr. Shehnaz S.R., Assistant Professor, Department of Commerce delivered the vote of thanks.

Mr. Parwin focused on the acquisition of soft skills and presentation skills and how they could complement the existing skill sets of the participants. Attempts to understand and improve their communication styles were also made. The formal sessions took a more serious turn with the 2nd day wholly devoted to introduce, create and discuss new entrepreneurial paths to face an uncertain future. The programme ended by 4.30 pm. The workshop proved immensely valuable especially to those who had an eye for career progress.



Practical session in the Workshop on 'Entrepreneurship and Soft Skill Development'



Practical session in the Workshop on 'Entrepreneurship and Soft Skill Development'



4. One day Workshop on Faculty Intervention in Control of Vector Borne Diseases

**PROFESSIONAL
DEVELOPMENT
PROGRAM**

ORGANIZED BY IQAC
IN ASSOCIATION WITH
DEPARTMENT OF BIOCHEMISTRY

ONE DAY WORKSHOP ON
**FACULTY INTERVENTION
IN CONTROL OF
VECTOR BORNE DISEASES**

03-01-2019
Thursday

RESOURCE PERSON : **SURESH T**
DISTRICT MALARIA OFFICER, KOLLAM

 **T. K. M. COLLEGE OF ARTS AND SCIENCE**
TKMC P.O., Kollam- 691005, Kerala
www.tkmcas.ac.in

One-Day Faculty Development Programme was organized by the Department of Biochemistry in consortium with the Internal Quality Assurance Cell (IQAC) of T.K.M. College on 3 January 2019. The programme titled 'Faculty Intervention in Control of Vector Borne Diseases' was enriching and intellectually stimulating for the participants.





Dr. Ansil P N addresses the faculty in the inaugural session



Mr. Suresh T. delivers his speech



Prof. Shajitha S., the Principal of the college, inaugurated the programme and gave an introductory remark.

The Keynote address for the programme was given by Suresh T, District Malaria Officer, Kollam. The session included talks on Vector Borne Diseases, Preventive Measures, initiatives like NVBDCP, NCBI and so on. The platform was then open for discussions. The programme received wide appreciation from the participants as it gave them an exposure to various realms on the topic. Dr. Ansil P.N., the IQAC member, proposed vote of thanks for the programme. It concluded at 1 pm.



5. FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education



T. K. M. College of Arts and Science
TKMC P. O., Kollam

**FDP On Accreditation Indices:
Enhancing quality through OBE**

03 - 09, JANUARY
2019

 **10 am | January 3, 2019**

INAGURATION

 **Seminar Hall**

DR. I. IBNUSAUD
Founder Director, Institute for Intensive
Research in Basic Science (IIRBS),
Mahatma Gandhi University, Kottayam

SPEAKERS

DR. RICHA VARMA
IIT, Chennai

DR. E. PRASAD
IIT, Chennai

DR. X. VIJAYAN
IIT, Chennai

DR. R. SELVAM
NAAC Consultant and Former Dean of
Sciences, Bishop Herber College,
Trichy, Tamilnadu

www.tkmcas.ac.in

Internal Quality Assurance Cell (IQAC) organized a seven-day Faculty Development Programme (FDP) on the various matrices of Quality Information



Framework (QIF) in the NAAC manual. T. K. M. College of Arts and Science is entering the third cycle of NAAC assessment and the FDP was arranged to familiarize the faculty and administrative staff with the revised NAAC manual. The FDP was conducted in two stages:

Stage I –The first stage of the FDP was handled by Dr. E. Prasad, Dr. Richa Varma and Dr. X. Vijayan from 03 Jan to 05 January 2019. Dr. Prasad addressed the various aspects of Outcome-Based Education in two- hour sessions with two such sessions each day. The third day (5th January) was entirely devoted to exercises allotted to faculty members to assess their understanding of the basic principles of Outcome-Based Education.

Stage II–The second stage of the FDP was handled by Dr. R. Selvam from 07 Jan to 09 January 2019. The programme began with an inaugural session; the programme schedule of the inaugural session is attached here. After the inaugural session, each department NAAC co-ordinator made powerpoint presentations enumerating the Department Profile, Activities of the Department, Achievements of the Department, Pass Percentage etc. After individual presentations, Dr. Selvam gave detailed feedback on data consolidation at the department level based on the revised NAAC manual.



Dr. Prasad delivers his speech





Faculty attending the programme



Dr. Selvam leads the session



6. One day workshop on 'Gateway to financial freedom'



**PROFESSIONAL
DEVELOPMENT
PROGRAM**

ORGANIZED BY IQAC
IN ASSOCIATION WITH
DEPARTMENT OF COMMERCE

**ONE DAY WORKSHOP ON
GATEWAY TO
FINANCIAL FREEDOM**

RESOURCE PERSON : **RAJANIKANTH C S**
ASSISTANT VICE-PRESIDENT,
ACADEMICS, HEDGE SCHOOL OF APPLIED ECONOMICS

**12-12-2018
Wednesday**



T. K. M. COLLEGE OF ARTS AND SCIENCE
TKMC P.O., Kollam- 691005, Kerala
www.tkmcas.ac.in

As part of Professional Development Program, IQAC in association with the Department of Commerce organized a one day workshop on Gateway to Financial Freedom in the college Auditorium on 12 December 2018. The resource person was Rajanikanth C.S., Assistant Vice-President, Academics, Hedge School of Applied Economics.



The purpose of the program was to help the participants identify the major investment options; learn the methods to achieve financial freedom and to help execute investment choices. It also gave ideas to build investment portfolios designed to maximum returns and minimize risk. The speaker mentioned ways to achieve more than one source of income as well.

All the 15 participants who attended the workshop proved to be great enthusiasts as they finally decided to get out of high cost debts to ensure their economic freedom.



Rajanikanth C S leads the session



7. Workshop on 'Investment Planning in Capital Market'



**PROFESSIONAL
DEVELOPMENT
PROGRAM**

**12-12-2018
Wednesday**

ORGANIZED BY IQAC
IN ASSOCIATION WITH
DEPARTMENT OF COMMERCE

WORKSHOP ON
**INVESTMENT PLANNING
IN CAPITAL MARKET**

RESOURCE PERSON : **DR. DEYANANDHAN**
CERTIFIED FINANCIAL EDUCATIONAL TRAINER,
SECURITIES AND EXCHANGE BOARD OF INDIA



T. K. M. COLLEGE OF ARTS AND SCIENCE
TKMC P.O., Kollam- 691005, Kerala
www.tkmcas.ac.in

IQAC in association with the Department of Commerce organized a One- Day Workshop on 'Investment Planning in Capital Market' in the college Auditorium on 12 December 2018. The resource person for this Professional Development Programme was Dr. Deyanandhan, Certified Financial Educational Trainer, Securities and Exchange



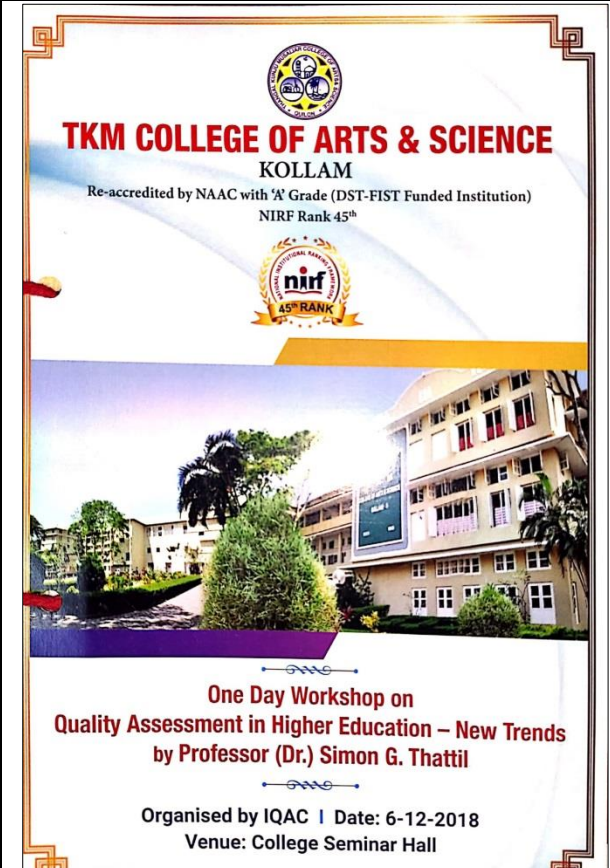
Board of India. The objective of the programme was to help participants identify the financial goals of the institution and to convert them through a building plan which in turn would ensure safety in terms of finance. The resource person also gave ideas to build solid investment plans in making smart investments.



Inaugural Function of the Programme



8. One day workshop on 'Quality Assessment in Higher Education-New Trends'



TKM COLLEGE OF ARTS & SCIENCE
KOLLAM
Re-accredited by NAAC with 'A' Grade (DST-FIST Funded Institution)
NIRF Rank 45th

One Day Workshop on
Quality Assessment in Higher Education – New Trends
by Professor (Dr.) Simon G. Thattil

Organised by IQAC | Date: 6-12-2018
Venue: College Seminar Hall

ABOUT THE COLLEGE:
T.K.M. College of Arts and Science is established in 1965 by **Janab A. Thangal Kunju Musaliar**, a great visionary far ahead of his time. Re-accredited by NAAC in 2013 with an 'A' Grade, which bears testimony to its potential for excellence, the institution today commands an unparalleled prestige in the academic community. The college has been ranked 45 by National Institutional Ranking Framework (NIRF) and is supported with DST-FIST funding. The college is an acclaimed citadel of learning in the city of Kollam. Right from her inception, the Arts and Science College has earned renown for discipline and academic eminence.

ABOUT THE SEMINAR:
National Assessment and Accreditation Council (NAAC) is an autonomous institution under the University Grants Commission (UGC). The primary function of NAAC is to assess and accredit higher education institutions in the country with an aim to improve their quality in all fields of higher education. There are seven main criteria for the assessment and the entire frame work has been revised in July 2017. With a view to create awareness about the upcoming NAAC visit and the revised accreditation framework among teachers, the Internal Quality Assurance Cell (IQAC) of the college is organizing a one day seminar.

ABOUT THE SPEAKER:
Dr. Simon G. Thattil is the Dean and the IQAC Director of the University of Kerala. He is a Member, NAAC peer team and has assisted a number of universities in their pre-NAAC accreditation process. He is entrusted as a resource person by UGC to support the higher education institutions to act according to the revised accreditation frame work. He is an approved research guide both in the faculty of commerce and in the faculty of management. He has produced several PhDs, published a number of books under his name and authored many publications of international reputation.

PROGRAMME SCHEDULE:
1: 30 pm : Welcome Address, **Dr. Sumalekshmy S.**
1: 35 pm : Presidential Address, **Prof. S. Shajitha, Principal**
1: 40 pm : Address, **Prof. Dr. Simon G. Thattil**
4:30 pm : Vote of thanks

ORGANISING COMMITTEE:
Prof. S. Shajitha, Principal, Chairman, Organizing committee
Dr. Sumalekshmy S., General Convener

Professional Development Program, as it restructures the learning curve of the participants, was conducted on 6 December 2019 at TKM College, Kollam. The programme was sponsored by the Internal Quality Assurance Cell (IQAC) and the thrust area was 'Quality Assessment in Higher Education – New Trends'. The one-day programme began on an auspicious note with the inaugural address given by the Principal of the college, Shajitha S.

The resource person Dr. Gabriel Simon Thattil, Professor of Commerce, School of Business Management and Legal Studies & Director, IQAC, University of Kerala equipped the faculty with recent trends and developments in quality education. He familiarised the faculty members with the various criteria and matrices involved in the NAAC accreditation process. The programme came to an end at 2 pm with a vote of thanks by the IQAC convener.





Inaugural Function of the Programme



Discussion Session



9. Making Calculation Easy - An Introduction to Excel

The poster features a green and white color scheme. At the top left, a green banner contains the date '29-11-2018 Thursday'. Below this, the text 'ADMINISTRATIVE TRAINING PROGRAM' and 'ORGANIZED BY IQAC' is displayed. On the right side, there is a large graphic of a green Excel spreadsheet with a white 'X' on it. A dark green horizontal band across the middle contains the title 'MAKING CALCULATION EASY - AN INTRODUCTION TO EXCEL' in white capital letters. Below this band, a portrait of Dr. Finser K Muhammed is shown, with the text 'RESOURCE PERSON' above it. Underneath the portrait, his name 'Dr. Finser K Muhammed' is written, followed by his title 'Assistant Professor in Islamic History' and the college name 'T.K.M. College of Arts and Science'. At the bottom left is the college's circular logo, and at the bottom right is the college's name 'T. K. M. COLLEGE OF ARTS AND SCIENCE', its address 'TKMC P.O., Kollam- 691005, Kerala', and its website 'www.tkmcas.ac.in'.

29-11-2018
Thursday

ADMINISTRATIVE
TRAINING PROGRAM

ORGANIZED BY IQAC

MAKING CALCULATION EASY -
AN INTRODUCTION TO EXCEL

RESOURCE PERSON



Dr. Finser K Muhammed
Assistant Professor in Islamic History
T.K.M. College of Arts and Science



T. K. M. COLLEGE OF ARTS AND SCIENCE
TKMC P.O., Kollam- 691005, Kerala
www.tkmcas.ac.in

A one day Administrative Training Programme was organized by the Internal Quality Assurance Cell of TKM college on 29 November 2018 on the topic 'Making Calculations Easy – An Introduction to Excel'. The programme was inaugurated by the Principal of the college Shajitha S.



Dr. Finser K Muhammed, Assistant Professor in Islamic History, TKM College, Kollam explained in detail the basics of Excel, Spread sheet Tools, and detailed how Excel is useful in recording and analysing numerical and statistical data. The lecture provided ample background of each concept and stressed on the fundamental areas to ensure that the faculty learn it completely and re-implement the concepts when required.

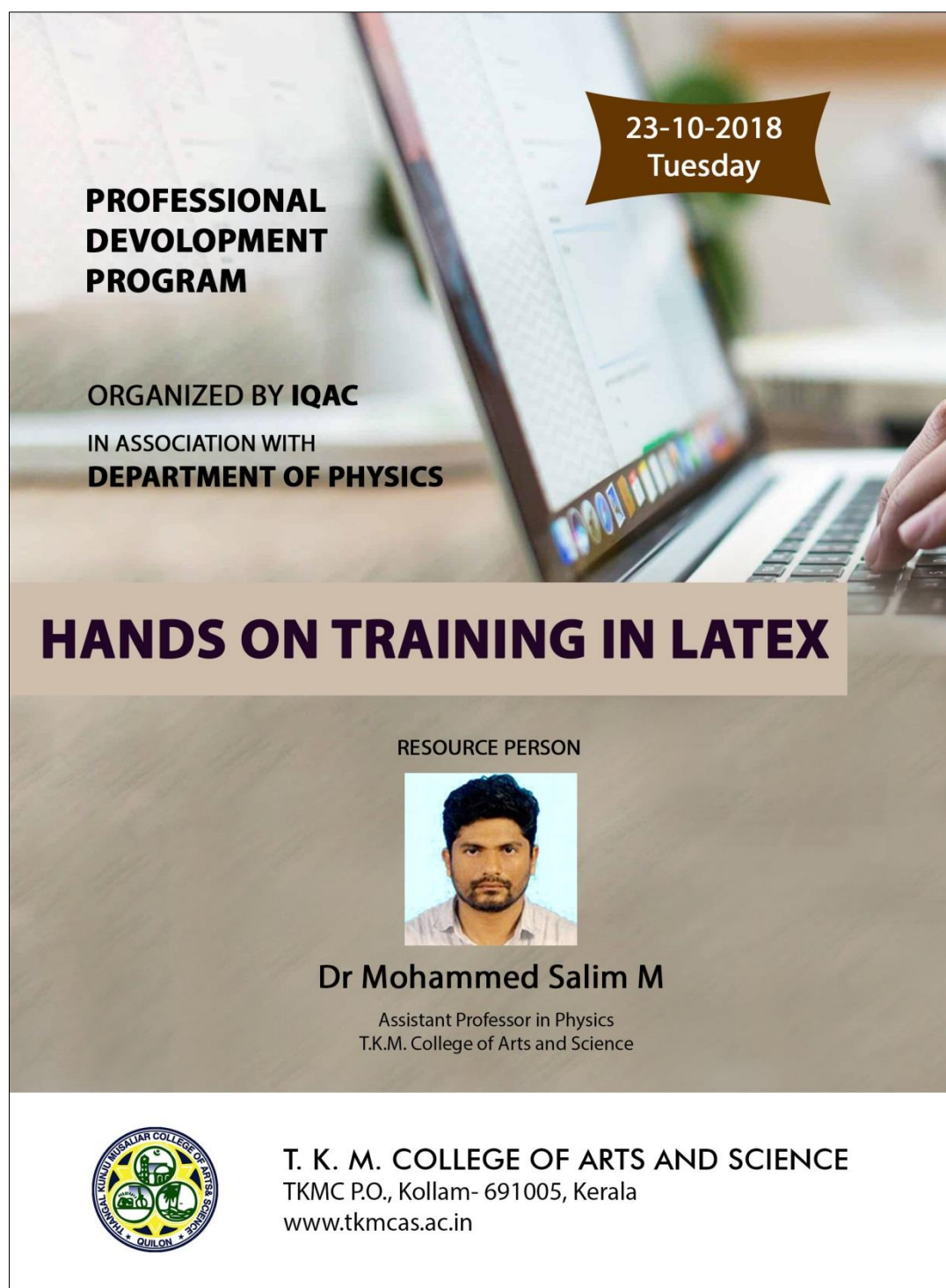
The concluding session was very interactive with the discussions among the participants. The session culminated at 2 pm with a vote of thanks given by the HOD of Islamic History Department.



Dr. Finser K Muhammed leads the session



10. Hands on training in Latex



**PROFESSIONAL
DEVELOPMENT
PROGRAM**

23-10-2018
Tuesday

ORGANIZED BY **IQAC**
IN ASSOCIATION WITH
DEPARTMENT OF PHYSICS

HANDS ON TRAINING IN LATEX

RESOURCE PERSON



Dr Mohammed Salim M
Assistant Professor in Physics
T.K.M. College of Arts and Science



T. K. M. COLLEGE OF ARTS AND SCIENCE
TKMC P.O., Kollam- 691005, Kerala
www.tkmcas.ac.in

IQAC in association with Department of Physics, TKM College organized a one-day faculty training program on 23.10.2018. The thrust area of the program Training in Latex and the resource person was Dr. Mohammed Salim M, Assistant Professor, and



Department of Physics. The training started off with the inaugural speech by Dr. Smitha P G.

An insightful lecture was given by the resource person. He provided an introduction to Latex. 'Latex is a high quality typesetting system; it includes features designed for the production of technical and scientific documentation widely used in academia for the communication and publication of scientific documents in many fields including mathematics, statistics, engineering, chemistry, physics, economics etc.'. He highlighted the difference between latex and word processing software. In the hands-on session, he demonstrated how to use the basic tools required for typesetting documents in Latex. In addition, during the same, participants were able to prepare their first text document using latex.

Then the session was dedicated to providing hands-on training to the participants on plotting data from external files. The data plots were then customized according to the requirements of authors.

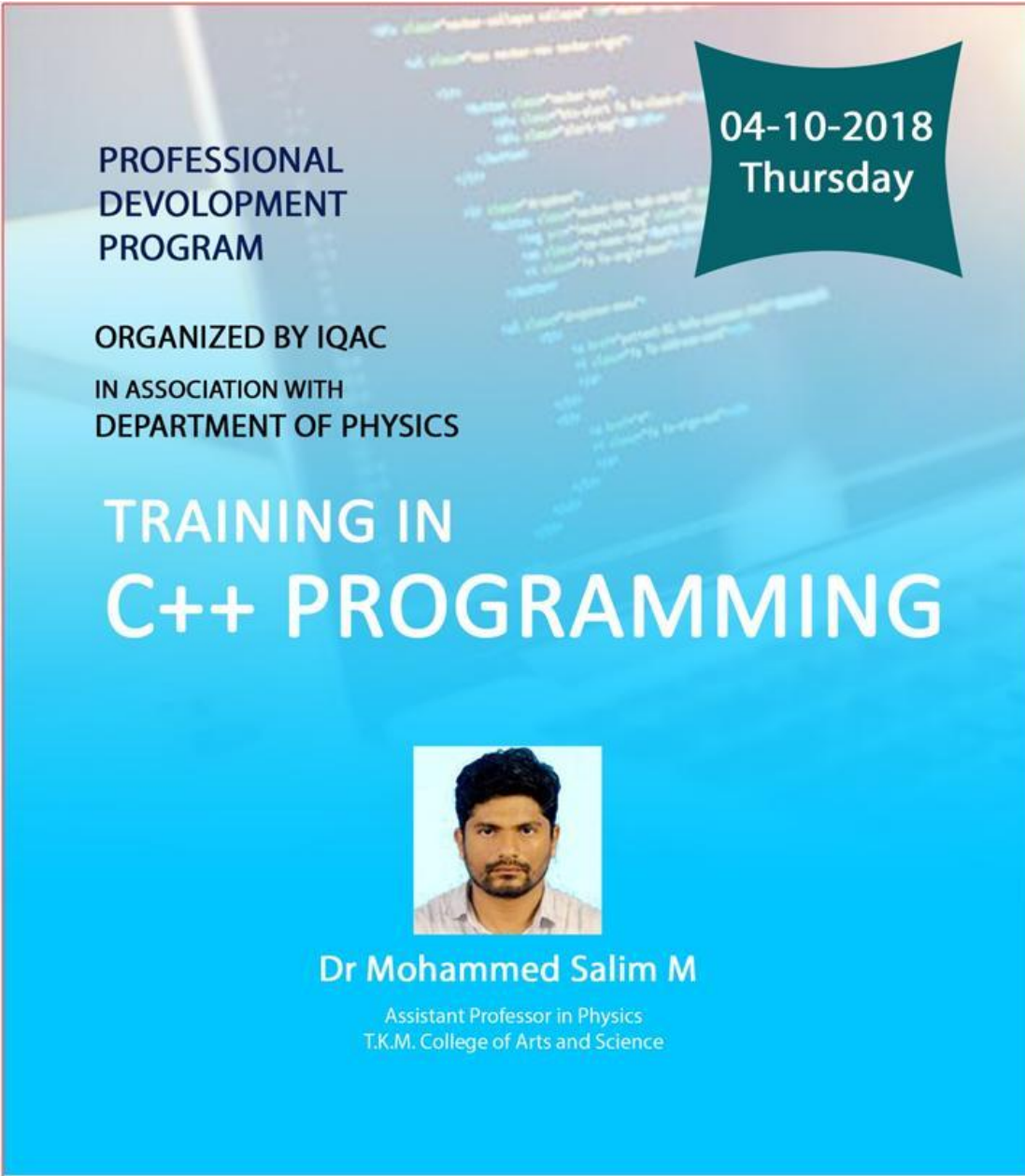
Later, sessions were devoted to interaction with participants on their experiences about the workshop. Their feedback was received regarding the conduct of the workshop, content and expertise of the organizers. The event was a great success as it opened up innovative pathways to the participants.



Dr. Mohammed Salim M leads the training



11. Training in C++ Programming



**PROFESSIONAL
DEVELOPMENT
PROGRAM**

**04-10-2018
Thursday**

**ORGANIZED BY IQAC
IN ASSOCIATION WITH
DEPARTMENT OF PHYSICS**

**TRAINING IN
C++ PROGRAMMING**



Dr Mohammed Salim M
Assistant Professor in Physics
T.K.M. College of Arts and Science



T. K. M. COLLEGE OF ARTS AND SCIENCE
TKMC P.O., Kollam- 691005, Kerala
www.tkmcas.ac.in

IQAC, TKM College of arts and science Kollam and Department of Physics jointly organized a professional development program Training in C++ programming on



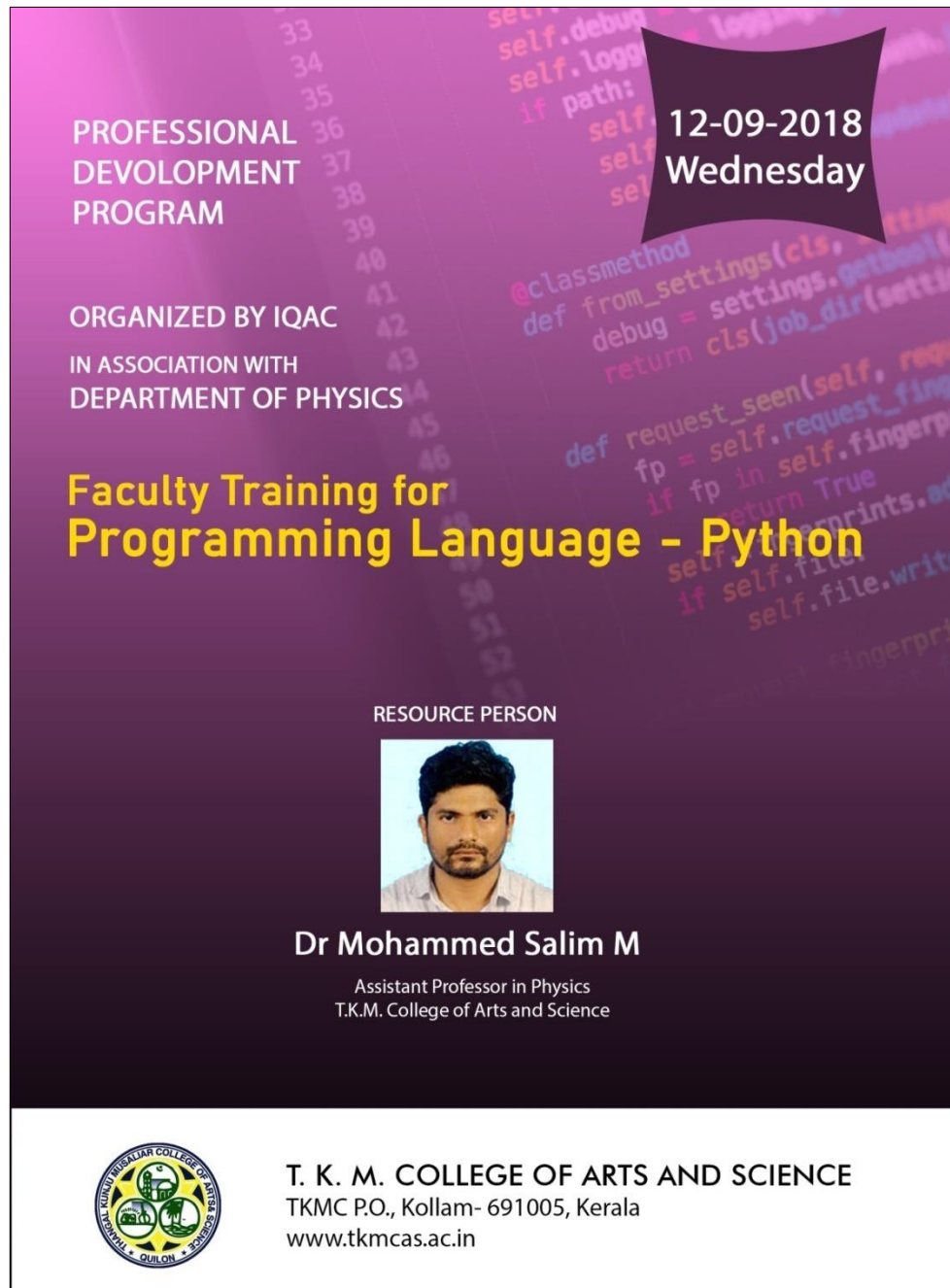
4.10.2018. The program was exclusively for the faculty members of Department of physics. The resource person of the program was Dr. Mohammed Salim, Assistant professor, Department of Physics, TKM College of Arts & Science. The program was conducted at the DST FIST computer lab of mathematics department. The program includes a lecture on C++ programming and a practical training on the same. The main topics covered were introduction to Object oriented programming, Online compilers, data types, variables, operators, conditional execution, classes, objects, and functions. All the faculty members attended the faculty training program. The program started at 10.00 am and concluded at 1.00 pm. There were a hands-on training session in the afternoon.



Dr. Mohammed Salim M leads the session



12. Faculty Training for Programming Language – Python



PROFESSIONAL
DEVELOPMENT
PROGRAM

12-09-2018
Wednesday

ORGANIZED BY IQAC
IN ASSOCIATION WITH
DEPARTMENT OF PHYSICS

**Faculty Training for
Programming Language – Python**

RESOURCE PERSON



Dr Mohammed Salim M
Assistant Professor in Physics
T.K.M. College of Arts and Science



T. K. M. COLLEGE OF ARTS AND SCIENCE
TKMC P.O., Kollam- 691005, Kerala
www.tkmcas.ac.in

IQAC, TKM College of arts and science Kollam and Department of Physics jointly organized a faculty training program on Programming language Python on 12.9.2018. Python



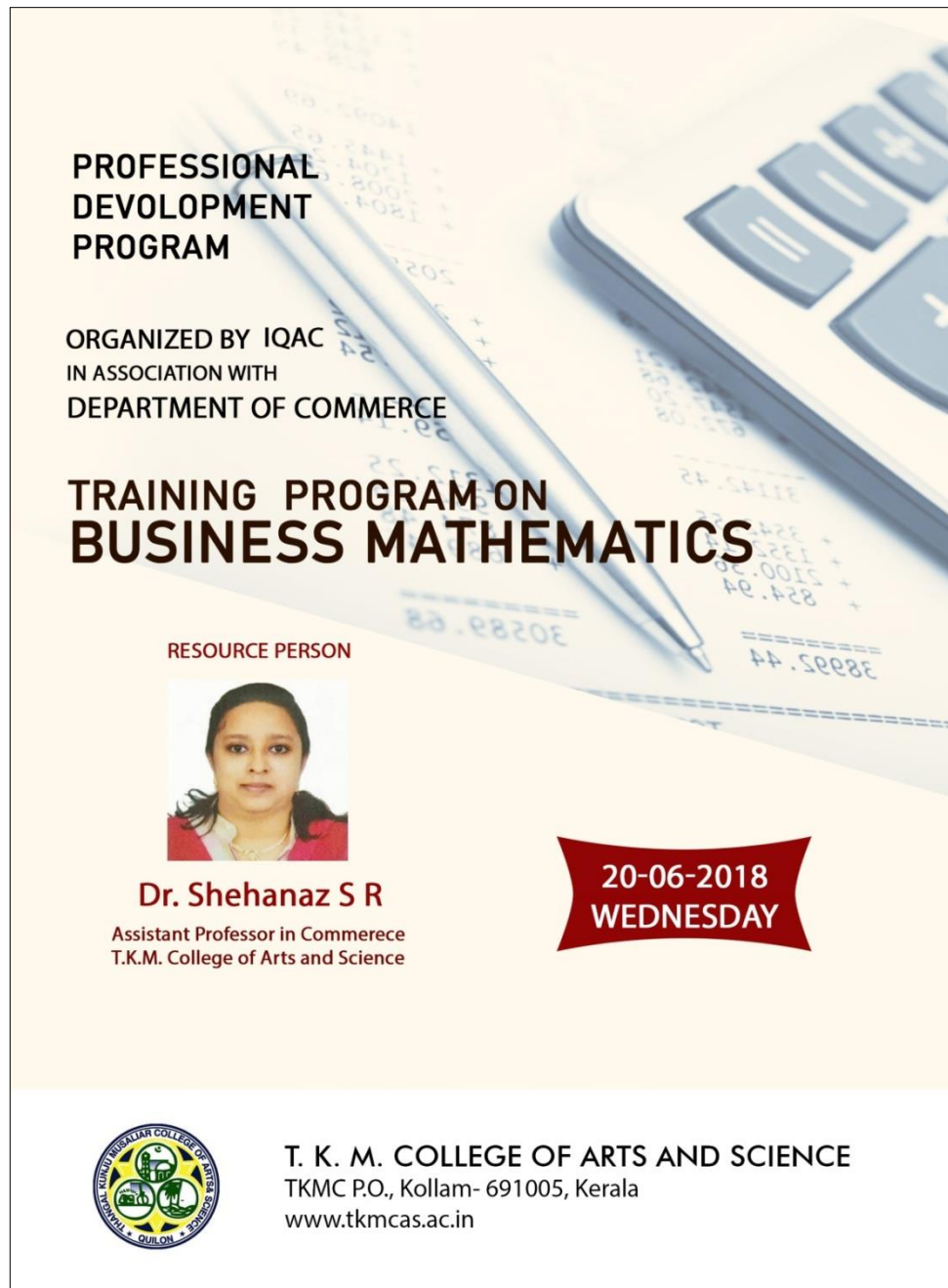
programming is a newly introduced topic in MSc Physics syllabus revised in 2018. The program was exclusively for the faculty members of Department of physics. The resource person of the program was Dr. Mohammed Salim, Assistant professor, Department of Physics, TKM College of Arts & Science. The session includes a lecture on python and hands on training. The main topics covered were introduction to python, interpreted language, object oriented programming, data types, variables, operators, conditional execution, lists, tuples, dictionaries, functions. All the faculty members attended the faculty training program. After the session there was a practical session.



Dr. Mohammed Salim M leads the training session



13. Training Program on Business mathematics



**PROFESSIONAL
DEVELOPMENT
PROGRAM**

ORGANIZED BY IQAC
IN ASSOCIATION WITH
DEPARTMENT OF COMMERCE

**TRAINING PROGRAM ON
BUSINESS MATHEMATICS**

RESOURCE PERSON



Dr. Shehanaz S R
Assistant Professor in Commerce
T.K.M. College of Arts and Science

**20-06-2018
WEDNESDAY**



T. K. M. COLLEGE OF ARTS AND SCIENCE
TKMC P.O., Kollam- 691005, Kerala
www.tkmcas.ac.in

IQAC, in association with Department of Commerce, TKM College organized a one-day training program on 'Business Mathematics' on 20 June 2018 at room no. 138. The programme focused on the various practical aspects of Business mathematics. The programme started at



10 am with the welcome address by the coordinator of IQAC. Following it, the Principal of the college Prof. Hashimudeen inaugurated the programme and gave an introductory speech.

The resource person was Dr. Shehnaz R., Assistant Professor, Department of Commerce, T.K.M College. The programme took the participants through an overview of the wonderful world of mathematics. The speaker created a zest for numbers in the participants. She explained business mathematics in clear language, using realistic problems such as linear equations, interests, and quadratic equations.

The programme wrapped up around 1 pm. The vote of thanks was given by the convenor of IQAC. The entire programme was co-ordinated with the support of the principal and faculty of the Commerce department.



Dr. Shehnaz R. leads the session





Faculty participating in the programme



Other Major Activities

- AQAR for the year 2017-18 was submitted on 21/12/2018.
- AQAR for the year 2016-17 was submitted on 13/10/2018.
- Participated in NIRF - India Rankings 2019.
- IIQA and SSR submitted for the 3rd cycle of NAAC re-accreditation

IQAC Initiatives

- A grant of Rs. 5000/- each was sanctioned to the departments of Physics and Chemistry, by KSCSTE, for conducting National Science Day observance.
- An amount of Rs. 15000/- was granted by KSCSTE for the observance of World Wetland Day by the department of Zoology.
- An interdepartmental quiz competition was organized by the department of Biochemistry as part of the World Cancer Day Observance.
- The department of Chemistry submitted a proposal to KSCSTE for SARD on 15th February, 2019.
- Collaborative initiatives

Department of Mathematics, NAM College, Kallikkandy, Kannur

Department of Mathematics, SN College, Kollam

Feedback Report

- Online feedback system was introduced through learning management system.
- System generated feedback report is collected for analysis.



List of Faculties Who Participated In Various Training Programs/ FDPs/Refresher/Orientation Programs in 2018-19

Sl. No.	Name of teacher	Department	Title of the program	Duration (from - to)
1.	Adersh V K	Mathematics	Workshop on Modular Theory of Elliptic Curves and Uniformisation and Characterization of Riemann Surfaces,	21/05/2018 - 02/06/2018
2.	Ajinza A	Biochemistry	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education	03/01/2019 - 09/01/2019
3.	Aparna L R	Physics	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education	03/01/2019 - 09/01/2019
4.	Aseeb. A.K	Zoology	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education	03/01/2019 - 09/01/2019
5.	Aswathy M R	Mathematics	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education	03/01/2019 - 09/01/2019
6.	Boby T Edwin	Botany	Environmental Sciences	28/11/2018 - 18/12/2018
7.	Dr Chithra Gopinath	Chemistry	Human Rights	12/06/2019 - 25/06/2019
8.	Dr M Mohammed Salim	Physics	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education	03/01/2019 - 09/01/2019
9.	Dr P K Manoj	Physics	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education	03/01/2019 - 09/01/2019
10.	Dr Renjith R	Physics	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education	03/01/2019 - 09/01/2019
11.	Dr Shabna R	Physics	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education	03/01/2019 - 09/01/2019
12.	Dr. Abdul Rahim	Chemistry	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education	03/01/2019 - 09/01/2019
13.	Dr. Ansil P N	Biochemistry	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education	03/01/2019 - 09/01/2019



14.	Dr. Finser K. Muhammed	Islamic History	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education	03/01/2019 - 09/01/2019
15.	Dr. Harikumar B.	Chemistry	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education	03/01/2019 - 09/01/2019
16.	Dr. Jasin Rahman. V. K	Zoology	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education	03/01/2019 - 09/01/2019
17.	Dr. Latha B	Biochemistry	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education	03/01/2019 - 09/01/2019
18.	Dr. Siyad M. A.	Chemistry	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education	03/01/2019 - 09/01/2019
19.	Dr. Sumalekshmy S.	Chemistry	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education	03/01/2019 - 09/01/2019
20.	Dr. Sumithra Devi S.	English	UGC Sposored Refresher Course (Summer School)	09/07/2019 - 22/07/2019
21.	Dr. Tharun A. Rauf	Chemistry	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education	03/01/2019 - 09/01/2019
22.	Dr.M.J.Sheeba	Botany	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education	03/01/2019 - 09/01/2019
23.	Firozkhan A	Commerce	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education	03/01/2019 - 09/01/2019
24.	Gayatry S.	English	UGC Sposored Refresher Course	30/11/2018 - 20/12/2018
25.	Harilal N. Thazhikkattuseril	Mathematics	Teacher's Enrichment Workshop on Measure and Integration	08/04/2019 - 13/04/2019
26.	Jeena.R	Commerce	Online Refresher course in Management	01/11/2018 - 28/02/2019
27.	Jisha M.S	Botany	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education	03/01/2019 - 09/01/2019
28.	Liby K. S.	English	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education	03/01/2019 - 09/01/2019
29.	Maheen M	Commerce	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education	03/01/2019 - 09/01/2019



30.	Muhammed Roshan B.	English	Fourth Annual Session and International Congress of Kerala History Congress	20/12/2018 - 22/12/2018
31.	Narayana Prasad M	Mathematics	Refresher course in environmental science	28/11/2018 - 18/12/2018
32.	Nisamudeen Ashique P K	Mathematics	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education	03/01/2019 - 09/01/2019
33.	Niyas S.M.	English	UGC Sposored Orientation Course	27/02/2019 - 26/03/2019
34.	Niza N.	Mathematics	Teacher's Enrichment Workshop on Measure and Integration	08/04/2019 - 13/04/2019
35.	Rissana T. A.	Mathematics	Teacher's Enrichment Workshop on Measure and Integration	08/04/2019 - 13/04/2019
36.	Rohini Krishna M V	Zoology	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education	03/01/2019 - 09/01/2019
37.	Ruksana Sulthana A H	Commerce	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education	03/01/2019 - 09/01/2019
38.	Safir TK	Physics	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education	03/01/2019 - 09/01/2019
39.	Shafana Shaffi	English	UGC Sposored Refresher Course in Women's Studies and Women Empowerment	24/01/2019 - 14/02/2019
40.	Shehnaz SR	Commerce	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education	03/01/2019 - 09/01/2019
41.	Sherifa Rahim	Chemistry	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education	03/01/2019 - 09/01/2019
42.	Shiny Salam	Commerce	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education	03/01/2019 - 09/01/2019
43.	Soumya S.	Biochemistry	Workshop on laboratory animal handling	25/09/2018 - 27/09/2018
44.	Sulfiya Samad	Commerce	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education	03/01/2019 - 09/01/2019
45.	Thanseena Bai R	Commerce	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education	03/01/2019 - 09/01/2019



List of Faculties Provided With Financial Support to Attend Various Programs

Sl. No.	Name of the Teacher	Department	Name of conference/ workshop attended for which financial support provided
1.	Narayana Prasad M	Mathematics	Pedagogical Training for Mathematics Teachers (PTMT)
2.	Rissana T. A.	Mathematics	Teacher's Enrichment Workshop on Measure and Integration
3.	Niza N	Mathematics	Teacher's Enrichment Workshop on Measure and Integration
4.	Harilal N Thazhikkattuseril	Mathematics	Teacher's Enrichment Workshop on Measure and Integration
5.	Dr. Bobby T Edwin	Botany	Refresher Course on Environmental Sciences
6.	Dr Sumalekshmy S	Chemistry	Faculty Development Programme for Educational Administrators
7.	Sherifa Rahim	Chemistry	Neoteric Advances in chemical Sciences
8.	Dr Chithra Gopinath	Chemistry	UGC Sponsored Refresher Course in Human Rights (Multidisciplinary)
9.	Firozkhan A	Commerce	Seminar on Intellectual Property Rights
10.	Jeena R	Commerce	Statistical Elucidation: The Social Science's Constructs
11.	Thanseena Bai R	Commerce	National Conference On Energy and Environment NCEE-2019
12.	Safir T K	Physics	Awareness-cum Training programme on plasma science and Technology and energy from nuclear fusion
13.	Dr. Mohammed Salim M	Physics	Awareness-cum Training programme on plasma science and Technology and energy from nuclear fusion
14.	Aparna L R	Physics	Awareness-cum Training programme on plasma science and Technology and energy from nuclear fusion
15.	Dr. Renjith R	Physics	Quantum theory of Scattering
16.	Dr. Latha B	Biochemistry	Kerala Science Congress
17.	Soumya S	Biochemistry	Workshop on Research Methodology
18.	Dr. Ansil P N	Biochemistry	New Methodology of NAAC Accreditation
19.	Dr. Jasin Rahman V K	Zoology	Science Academies Lecture Workshop on Foundation Lectures in Biology
20.	Rohini Krishna M. V	Zoology	International Seminar cum Workshop on Diagnostic Cytogenetics



21.	Aseeb A K	Zoology	Science Academies Lecture Workshop on Foundation Lectures in Biology
22.	Gayatry S.	English	UGC Sponsored Refresher Course
23.	Dr. Sumithra Devi S.	English	UGC Sponsored Refresher Course (Summer School)
24.	Niyas S M	English	UGC Sponsored Orientation Course
25.	Shafana Shaffi	English	UGC Sponsored Refresher Course in Women's Studies and Women Empowerment (Multidisciplinary)
26.	Liby K S	English	UGC Sponsored Refresher Course in Human Rights (Multidisciplinary)
27.	Dr. Sulfia S. Santhosh	English	One-day Seminar on Literary Theory
28.	Muhammed Roshan B.	English	South Asian Diaspora in Australia
29.	Sulfiya Samad	Commerce	Islamic Finance
30.	Dr. S. Anas	Chemistry	International Conference on Frontiers in Materials from Basic Science to Real-time Applications
31.	Adersh V K	Mathematics	International Conference on Number Theory
32.	Dr. Aswathy M R	Mathematics	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education
33.	Nisamudeen Ashique P K	Mathematics	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education
34.	Ajinza A	Biochemistry	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education
35.	Dr.M.J.Sheeba	Botany	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education
36.	Jisha M.S	Botany	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education
37.	Dr. Harikumar B.	Chemistry	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education
38.	Dr. Siyad M. A.	Chemistry	Nanoscience and nano-technology - NANO 2019
39.	Dr. Tharun A. Rauf	Chemistry	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education
40.	Dr. Simi Mole H.	Chemistry	Neoteric Advances in chemical Sciences - MATCOM 2018
41.	Dr. Abdul Rahim	Chemistry	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education
42.	Dr. A. Raghu	English	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education
43.	Dr. P. G. Smitha	English	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education
44.	Sherin Aslam	English	One-day Seminar on Literary Theory



45.	Dr. Shabna R	Physics	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education
46.	Dr P K Manoj	Physics	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education
47.	N K Sajna	Physics	Quantum theory of Scattering
48.	L Ushakumary	Physics	Quantum theory of Scattering
49.	Maheen M	Commerce	FDP on Accreditation Indices: Enhancing Quality through Outcome Based Education
50.	Ruksana Sulthana A H	Commerce	Changing Paradigms in Tourism Industry of Kerala

