

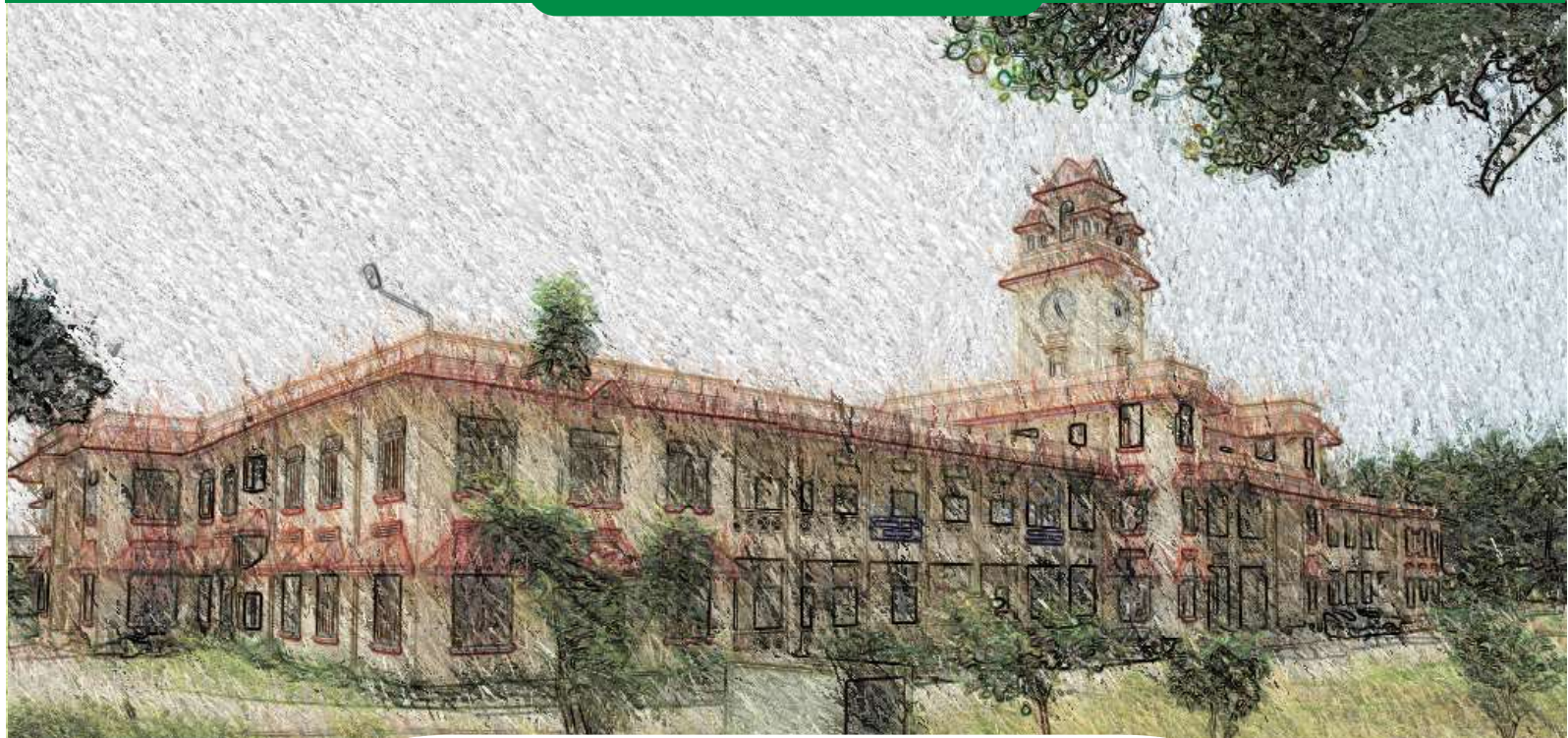


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NEWS

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UGC – Human Resource Development Centre, University of Kerala
Thiruvananthapuram, Kerala, India

UGC-HRDC News is the yearly publication of the Human Resource Development Centre (Erstwhile the Academic Staff College), University of Kerala Thiruvananthapuram. This publication is meant for maintaining a constant dialogue between the HRDC on the one hand and the University Departments, Affiliated Colleges and Alumni of the HRDC on the other. Through this Newsletter we hope to establish meaningful contacts with a wider audience interested in the cause of higher education in this country. We submit the HRDC News to the academic community and welcome their valuable suggestions about its form and content.

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UGC-HRDC, University of Kerala

Special Invitees

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From The Editor's Desk

Greetings from HRDC- University of Kerala!

The COVID 19 made a severe impact upon the health, economy and education worldwide. In India, as part of the nationwide lockdown, the government closed all educational institutions, as a consequence of which, students' teaching-learning, examination and placement scenarios were affected. UNESCO estimated that about 32 crore students had been affected in India. The adoption of an online e-learning approach was introduced to overcome the academic loss and stress on students. However, the entire process of online education was implemented without conducting any preparation due to the emergency. It was inevitable for the Central Government to implement many restrictions containing the spread of COVID-19, including the educational institutions to cancel academic activities, such as face to face classroom teaching, working in laboratories, examinations, internships, and co-curricular activities are few to mention. As the pandemic wave is unabated, the higher education process witnesses profound changes that might impact students' futures.

Within a short time, several initiatives have been taken to provide the best education through online mode with the help of some government schemes. However, there are other challenges faced by students and teachers coming from rural and backward areas, such as every student is not well equipped with the high-speed internet and digital gadgets, internet connectivity issues which is the harsh reality. It is equally important to note that few health-related issues like longer screen time straining the students' eyes, backache, mental health, and anxiety related to their career growth were frequently reported by both students and teachers. There is no doubt that virtual learning is useful but not fully successful. As such, important initiatives should be taken to handle online academic delivery in the Indian context.

The teachers face several issues, such as acquiring online driven competencies in planning, implementing, and assessing their students' performance using digital technologies. Every higher education institute must prioritise and invest in good training courses which assist them in using digital technologies effectively. Higher education must focus on innovative digital devices, programmes to meet the online requirements, responsive curriculum, practical virtual laboratories, changes in internship models, innovative assessment strategies, and examination patterns to deliver the lessons in an online environment successfully. The HRDCs have already initiated many training programmes to conduct classes virtually by developing many software tools to equip the teachers. I hope these initiatives will find good results in the higher education sector in India.

Thanks to all for the sincere cooperation.

Professor-Director

162nd ORIENTATION PROGRAMME

Sponsored by RUSA

[From 26.04.2019 to 23.05.2019]

COURSE REPORTS

The 162nd Orientation Programme began on 26.04.2019 at the UGC-HRDC, University of Kerala. The participants were given a warm welcome by Dr. S. V. Sudheer, Director,

UGC-HRDC, University of Kerala. They were informed about the purpose and the anticipated outcome of the programme. An ice-breaking session was organized in the afternoon to create familiarity among the participants.

In order to conduct the programme efficiently, Dr. Pramila S, Assistant Professor, Department of Fishery Resource Management KUFOS, Kochi and Mr. Ashok Alex Luke, Assistant Professor Department Political Science, CMS College, Kottayam were selected as the conveners of the programme.

During the programme, the following areas were discussed by eminent resource persons. Topic 1: *Value Based Education*, **Dr. Dinakarlal Thavamony**; Topic 2: *Living with Diseases*, **Dr. Aswini Kumar S**; Topic 3: *Disaster Management*, **Dr. Thara K.G**; Topic 4: *Water Resources Management*, **Dr. E. Shaji**; Topic 5: *Awareness of GST*, **Dr. N. Ramalingam**; Topic 6: *Right Approaches to Research*, **Dr. Simon Thattil**; Topic 7: *Reflective Teaching*, **Dr. Rosamma Philip**; Topic 8: *Classroom Management*, **Dr. S. V Sudheer**, Director, UGC-HRDC, University of Kerala. Topic 9: *Health and Wellness*, **Dr. Usha S. Nair**; Topic 10: *Time Management*, **Dr. V. Reghu**; Topic 11: *MOOCs Moodle*, **Dr. Satheesh Kumar**; Topic 12: *Teaching: A new Flipping Plan*, **Prof K. Gopalakrishnan**; Topic 13: *Women Empowerment*, **Adv. Bhuvanendran Nair**; Topic 14: *RUSA Schemes*, **Dr. Biveesh U. C**; Topic 15: *Transactional Analysis*, **Sri. Jose Ebenezer**; Topic 16: *Service Rules*, **Sri. Natesan Asary**; Topic 17: *Fire & Rescue Services in Disaster Management*, **Sri Prathap Kumar**; Topic 18: *Interpersonal Relationship*, **Dr. Justin Padamadan**; Topic 19: *Nuclear : Clean and Green Energy*, **Sri. A. V. Sathish**; Topic 20: *RTI*, **Mr. Manoharan Nair**; Topic 21: *Awareness of*

Indian Classical Dances, **Dr. Venugopalan Nair**; Topic 22: *Transgender Rights*, **Ms. Sheethal Shyam**; Topic 23: *Counselling & Mentoring*, **Dr. Susha Janardhanan**; Topic 24: *Pesticides and residues in food and their impact*, **Dr. Thomas Biju Mathew**; Topic 25: *Video Analysis*, **Dr. Theresa Susan**. Topic 26: *Stress Management*, **Dr. Kiran Kumar**. All the participants show cased their projects with power point presentations. The presentations were evaluated by Dr. Razeena Padmam, Dr. Unnikrishnan, Dr. V. Biju and Dr. Ganga Prasad. The programme was successfully concluded on 23.05.2019. The whole hearted dedication responsibility and sincere involvement of the Director and good co-operation of the administrative staff of HRDC lead to the success of the programme.

21st REFRESHER COURSE IN HUMAN RIGHTS

[From 12.06.2019 To 25.06.2019]

The UGC sponsored, 21st Refresher Course in Human Rights was held from 12th June 2019 to 25th June 2019. It was inaugurated by **Dr. P.P. Ajaya Kumar**, Pro-Vice Chancellor, University of Kerala, Dr. S.V. Sudheer, Director, UGC-HRDC introduced the course to all the participants and lead the participants to an ice – breaking session which made the classroom very lively. Dr. Shaji Varkey who is the co-ordinator of this Refresher Course gave us a overall idea about the forth coming session. Dr. Prince P.R of University College Trivandrum & Dr. Mini Joseph of Govt. College for Women, Trivandrum were selected as conveners of this programme.

The following topics were covered in the session. Topic 1: *Introduction to Human Rights* – **Dr. C.A. Josukutty**; Topic 2: *Human Rights: A communist perspective* – **Shri. Binoy Viswam**, Topic 3: *Health Economics* – **Dr. Manju S. Nair**; Topic 4: *Trends in Innovative Pedagogical Approaches: Experience from USA* – **Prof. Murali Nair**; Topic 5: *Gujarat : Riots & After* – **Sri Krishna Mohanlal**; Topic 6: *Climate Change & Issues of Human Rights* – **Dr. S. Faizi**; Topic 7: *Mysteries of the Universe* – **Dr. Prince P.R**; Topic 8: *Neoliberal Developmentalism & Human Rights* – **Dr. Sebastian N**; Topic 9: *Biodiversity & Human Rights* – **Dr. K. Satheesh**

Kumar; Topic 10: *Human Rights Commission & Protection of Human Rights* – **Dr. K. Mohan Kumar**; Topic 11: *Circadian Cycle* – **Dr. Anil Kumar N**; Topic 12: *Kerala : Model of Developing Floods*. By **Dr. Sajeev Mohan M**, Physics, CET, Trivandrum; Topic 13: *Life Skills & Motivation* – **Dr. C.K. Venugopal**, IT, KITTS, Thycaud, Trivandrum; Topic 14: *Rights to Education* – **Prof K.N. Ganesh**; Topic 15: *Women Rights* - **Prof. Manjula Bharati**, Topic 16: *Environmental Justice, Literature & Human Rights* - **Dr. Ambikasuthan Manpad**; Topic 17: *Medicine Sans Frontiers situation of violence & MSF* - **Dr. Santhosh Kumar**; Topic 18: *Anthropology & HR* by **Dr. Jayaseelan Raj**; Topic 19: *Media & Human Rights* - **Dr. Shaji Jacob**; Topic 20: *Social Media, Democracy & Human Rights* - **Shri V.K Adarsh**; Topic 21: “*Women & HR*” and “*Adivasi & HR*” was discussed in groups and with a panel of experts – **Dr. Vineetha Menon**; **Dr. Shaji Varkey** and **Dr. Antony Pallackal**.

The participants went on One Day Tour to Kovalam & Vizhinjam. It was a relaxing day trip with very good participation. The project presentation by the participants was chaired by Dr. Joseph Antony, Dr. Sindhu Thulaseedharan & Dr. Samuel J. Kuruvila.

The feedback of the course given by participants was very positive and encouraging. They gave their suggestions to improve the aspects of the course. Overall, the participants found the course beneficial as it created an awareness of the human rights of the valuable session. The participants placed as record their gratitude to the Director & its efficient train at HRDC for successful conduct of this Refresher Course. They also thanked Dr. Shaji Varkey who made this course a fruitful one.

163rd ORIENTATION PROGRAMME

[From 13-06-2019 to 03-07-2019]

The 163rd Orientation Programme was held from 13.06.2019 to 03.07.2019. Dr. S. V. Sudheer, Director, UGC-HRDC welcomed all the participants and inaugurated the course. In his inaugural address he emphasized the role of teachers in the field of higher education. In order to conduct the programme efficiently, Dr. Manulal P. Ram, Assistant Professor,

Department of Geology, Govt. College Kottayam and Ms. Anju Mary George, Assistant Professor, Dept. of Economics, Mar Ivanios College, Nalanchira were selected as the conveners of the programme.

During the programme, the following areas were discussed by eminent resource persons. Topic 1: *Value Based Education*, **Dr. Dinakaral Thavamony**; Topic 2: *Water Resource Management*, **Dr. E. Shaji**; Topic 3: *Living with Diseases*, **Dr. Aswini Kumar S**; Topic 4: *India as an Emerging Power*, **Dr. C. A. Josukutty**; Topic 5: *The Earth*, **Dr. Sajin Kumar**; Topic 6: *Classroom Communication Techniques*, **Dr. G. Porgio**; Topic 7: *Health and Wellness*, **Dr. Usha S. Nair**; Topic 8: *Reflective Teaching*, **Dr. Rosamma Philip**; Topic 9: *Women Empowerment*, **Adv. Bhuvanendran Nair**; Topic 10: *Time Management*, **Dr. V. Reghu**; Topic 11: *Awareness of Indian Classical Dances*, **Dr. Venugopalan Nair C**; Topic 12: *Digital Learning*, **Dr. S. Senthilnathan**; Topic 13: *Nuclear: Clean and Green Energy*, **Sri. A. V. Sathish**; Topic 14: *GST*, **Dr. N. Ramalingam**; Topic 15: *Pesticides and Residues in food and their impact*, **Dr. Thomas Biju Mathew**; Topic 16: *Financial Education*, **Dr. Liance Mathew**; Topic 17: *Service Rules*, **Sri. Natesan Asary**; Moreover, a special talk on *Classroom Management* was delivered by **Dr. S. V. Sudheer**, Director, UGC-HRDC, University of Kerala.

Meanwhile a micro teaching session was conducted for reflecting and correcting the teaching skills of each participant. Video analyses of micro teaching by all the participants were also done under the evaluation of Dr. Theresa Susan A.

The participants enjoyed a one day field trip to Perumathura and Varkala beach. After that, all the participants showcased their projects with power point presentations. The presentations were evaluated by Dr. C. Gopinathan Pillai, Dr. Biju V., Dr. Joseph Antony and Dr. A. Ganga Prasad. The programme was successfully concluded on 03-07-2019 with feedback session and certificates were distributed to the participants. A sumptuous lunch was also arranged for all the staff and the participants.

SHORT TERM COURSE ON STUDENT COUNSELLING AND MENTORING

[From 04-07-2019 to 10-07-2019]

Teachers of the 21st Century are handling the Gen Z students who are very dynamic and vibrant. It is the need of the hour to have added skills to handle the issues and problems of these students. At this juncture, this well designed Short Term Course on Student Counselling and Mentoring was of great help to the teachers. The Short Course was commenced with the official address of the Professor Dr. S.V Sudheer Director, HRDC, University of Kerala. He briefed the course structure, its relevance, and expected outcome of the programme.

There were fifty participants from various universities in India including three outstation participants. Convenors of the course were Dr. Vinu Baskar, Assistant Professor in Physical Education, Govt. T.D Medical College, Alappuzha and Dr. Sr. Usha. A. A., Assistant Professor, Department of Commerce, St. Joseph's College for Women, Alappuzha.

Dr. Sonny Jose, Course Coordinator of the programme dealt the afternoon session on the topic *Understanding Adolescents*. He began with an ice breaking session, then moved on to the topic. He was very resourceful in his area. He could make the session very interesting, participatory and informative. **Dr. Leena S.T**, she was assigned to introduce the *theory of counselling to the participants*. She unveiled the world of counselling to the participants by presenting the concepts of counselling, processes of counselling and skills required for a counsellor. **Dr. Pramod S.K.** vividly presented the *different approaches in counselling*. His sessions were very helpful to the teachers in dealing with students who are unique in nature. He conveyed the concepts and principles of counselling through demonstrations and role plays. He could make the learning process an experiential one. *Dr. Bejoy Peter, Life Coaching* session was handled by him. He was successful in communicating to the participants that life skills are significant and needed for handling the students community. **Dr. Susha Janardhanan and Mrs. Aroline K. Tom** led the *practical session in counselling*. They initiated the

participants into the journey of counselling. They tried to convey the counselling techniques through thought provoking games and exercises. Dr. Robert Clive being an Associate Professor and Mentor to his students, he was very practical in his session. He mostly dwelt on the significant features of the college students who are in the Gen Z. He effectively presented the approaches and techniques to be adopted to deal with these students. **Dr. Dawny T Mathew**- He dealt with the topic on adolescent *Mental Health* in a psychological and medical perspective.

We acknowledge with gratitude Dr. S.V Sudheer Director, UGC- HRDC, University of Kerala, Dr. Sonny Jose, Course Coordinator, Loyola College of Social Sciences, Thiruvananthapuram and the administrative staff of HRDC, University of Kerala for organising this course for us.

REFRESHER COURSE IN SUMMER SCHOOL

[From 09.07.2019 To 22.07.2019]

The Summer School Programme 2019 was conducted by the Human Resources Development Centre from 09.07.2019 to 22.07.2019. Dr. S.V. Sudheer, Director, HRDC, inaugurated the course and led the ice-breaking session. Dr. Praveen Tharian and Dr. Sushama were chosen as the convenor and the co-convenor of the course respectively.

The following topics were discussed in the course: Topic 1: *New Education Policy 2019*, Resource Person: **Mr. Abraham Kurian IPS**; Topic 2: *Women's Rights*, Resource Person: **Dr. Manjula Bharathi**; Topic 3: *Epidemics as a Biological Disaster*, Resource Person: **Dr. Amar S. Fettle**; Topic 4: *Awareness of Indian Classical Dances*, Resource Person: **Dr. Venugopalan Nair**; Topic 5: *Transgender Studies*, Resource Person: **Dr. Muraleedharan Tharayil**; Topic 6: *Introduction to Human Rights*, Resource Person: **Dr. C. A Josukutty**; Topic 7: *Adolescent Psychology*, Resource Person: **Dr. Dawny Mathew**; Topic 8: *Interactive Discussion*, Resource Person: **Dr. S.V. Sudheer**; Topic 9: *Introduction to Indian Constitution*, Resource Person: **Dr. Joseph Antony**; Topic 10: *The Earth*, Resource Person:

Dr. Sajin Kumar; Topic 11: *Teaching: A New Flipping Plan*, **Prof. K. Gopalakrishnan**; Topic 12 : *Counselling*, Resource Person: **Dr. Pramod S. K.** Following the session, the participants presented their project report. Evaluation was done by different subject experts.

The participants went on an enjoyable visit to Perumathura, Anjuthengu and Varkala on 19.07.2019. The valedictory function was held on 22.07.2019. The feedback from the participants bore testimony to the fact that the course was highly successful. Special mention was made about the whole hearted dedication of Dr. S.V Sudheer which ensured the smooth conduct of the course. They also appreciated the extremely co-operative attitude of the staff of HRDC.

REFRESHER COURSE IN LIFE SCIENCES

[From 11.07.2019 to 24.07.2019]

The UGC-HRDC, University of Kerala, organized the Refresher Course in Life Sciences from 11-07-2019 to 24-07-2019. Registration and related formalities carried out in the 1st day morning session. The course was formally inaugurated by Dr. S. V. Sudheer, Director, UGC-HRDC. He addressed the participants and mentioned the importance of the course and our responsibilities. The director himself organised a very interesting ice-breaking session. Dr. Swapna. T.S, Assistant Professor, Department of Botany, University of Kerala was the course coordinator. There were 56 teachers from various colleges participated in the course. Dr. Mano Mohan Antony and Dr. Babitha. G.S were selected as the convenors of the programme.

In the second day morning the course coordinator explained about all the necessary things that we have to do in the course. The first session was handled by **Dr. Sabu K.K** on *RNA and transcriptomics*. Afternoon session was very interestingly presented by **Dr. Sajin Kumar** from Geology, *Evolution of Universe*. Third day of the course, 13-07-19, sessions begins with the lecture on *phytochemistry* by **Dr. Sabulal**. Afternoon sessions for preparing project. 15-07-19 morning sessions handled by **Dr. Ratheesh I.G** on the topic *Patents*. Afternoon sessions made fruitful by Director, **Dr. S.V.Sudheer** exclusively for

group discussion. 16-07-2019 morning and afternoon sessions handled by **Dr. Chandrasekhara and Dr. R.V.Varma** on respective topics *Ethanobotany and Biodiversity Act and Rules*.

In the first session on 17-07-2019 **Dr. Radhakrishnan** presented an interesting class on *Nano-technology*. Afternoon sessions handled by **Dr. Jackson James** on the topic *cell culture and transgenic animals*. 18-07-2019, in first session **Dr. Sadasivan** delivered topic on *Structure based Drug designing*. **Dr. Bijukumar** handled the sessions of afternoon and presented an amazing topic on *Aquatic diversity*. Project presentations of participants begins with the morning sessions on 19-07-2019. Afternoon arranged an Institute visit to CLIF. 20-07-2019, **Dr. Rajeev Kumar** was the resource person. The topic was about biofuels on 22-07-2019, the participants went on a field visit to Poovar and an Institutional visit to RRL, Thiruvananthapuram. 23-07-2019 presentations by participants completed. An objective type test was conducted in the AN session.

The Refresher Course was successfully completed on 24-07-2019 with evaluation and feedback sessions followed by valedictory function. The Programme wind up with the distribution of certificates. Positive feedback and experiences were shared by the participants. All the participants appreciate the whole-hearted efforts of Dr. S. V. Sudheer, Director, UGC-HRDC for the excellent conduct of the course. They placed on record their gratitude towards Dr. Swapna. T.S, course coordinator. All the participants also thanked the staff of UGC-HRDC for their cooperation and hospitality.

SHORT TERM COURSE IN DISASTER MANAGEMENT

[From 23.07.2019 to 29.07.2019]

The short term course in Disaster Management, for the teaching faculty of Colleges and Universities, conducted by UGC-HRDC, University of Kerala, commenced in the morning of 23.07.2019. The participants were given a warm welcome by Dr. S. V. Sudheer, Director, UGC-HRDC, University of Kerala. The formal registration of 57 participants from different Colleges and University Departments started at 9:30

am. The conveners of the course were Dr. Fr. Thomson Robi, Asst. Professor, Dept. of History, Baselius College, Kottayam and Dr. Sr. Usha A. A, Asst. Professor, Dept. of Chemistry, St. Joseph College for Women, Alappuzha.

During the programme, the following areas were discussed by eminent resource persons. Topic 1: *Ice Breaking* handled by **Dr. Susha Janardhanan**; Topic 2: *Introduction to Disaster Management*, **Dr. Thara K.G**; Topic 3: *Epidemics as a Biological Disaster*, **Dr. Amar S. Fettle**; Topic 4: *Fire Rescue Services in Disaster*, **Dr. Sri. Prathap Kumar K. S**; Topic 5: *Earth-its journey through space and time*, **Dr. Sajin Kumar**; Topic 6: *Statistics and Risk Analysis of Disaster*, **Dr. Somasekharan Pillai**; Topic 7: *Climate Change and Water Crisis*, **Dr. Shaji E.**; Topic 8: *Chemical Disaster*, **Dr. M. R. Sudarsanakumar**; Topic 9: *Disaster Preparedness*, **Sri. M. Amalraj**; Topic 10: *Disaster Management during Nuclear Emergency*, **Sri. A. V. Sathish**; Topic 11: *Flood-Drought-Dam Nexus: Lesson in Disaster Management*, **Sri Sudheer Padickal John**. Topic 12: *Earthquake and Volcanos*, **Dr. Benno Joseph**. The dedicated efforts of the Director, Course Co-ordinator and administrative staff deserve special mention.

XXXIV REFRESHER COURSE IN COMMERCE AND MANAGEMENT

[From 01.08.2019 to 14.08.2019]

The 34th Refresher Course in Commerce and Management was conducted by UGC – Human Resource Development Centre from 1st August 2019 to 14th August 2019. The course started with the introductory remarks and briefing of the course by Dr. S.V. Sudheer, Director, UGC – HRDC. The course was co – ordinated by Dr. Gabriel Simon Thattil, Professor of Commerce, University of Kerala. Dr. Rajeev Kumar A.D., Assistant Professor, Department of Commerce, BJM Government College, Chavara and Ms. Leena Varghese, Assistant Professor, Department of Commerce, Al – Ameen College, Edathala were selected as the conveners of the course respectively. There were 55 participants from various institutions and among them 2 were from outside Kerala states. The ice breaking session was very interactive

and interesting which enabled the participants to come to know each other and feel relaxed.

The following topics were covered in the programme: Topic 1: *Ice Breaking Session*, Resource Person: **Dr. S.V. Sudheer**, Topic 2: *Econometrics*, Resource Person: **Dr. S. Kevin**, Topic 3: *Outcome Based Education in Commerce*, Resource Person: **Dr. Gabriel Simon Thattil**, Topic 4: *Financial Inclusion & Literacy*, Resource Person: **Dr. Johnson B**, Topic 5: *Stationarity – Econometrics*, Resource Person: **Dr. S. Kevin**, Topic 6: *Marketing Trends with Focus on Online Marketing*, Resource Person: **Dr. K.S. Chandrasekhar**, Topic 7: *Goods and Service Tax (GST)*, Resource Person: **Dr. N. Ramalingam**, Topic 8: *Work Place Dynamics*, Resource Person: **Dr. Krishna Kumar**, Topic 9: *Counselling Approaches*, Resource Person: **Dr. Pramod S.K.**, Topic 10: *Generation Leader*, Resource Person: **Dr. Krishna Kumar**, Topic 11: *Mixed Methods in Social Science Research*, Resource Person: **Dr. R. Vasanthagopal**, Topic 12: *Regression Model*, Resource Person: **Dr. V. Nagarajan Naidu**, Topic 13: *PRES – Proportional Reduction of Errors in Research*, Resource Person: **Dr. G. Raju**.

In the peer learning session two of the participants – Mr. John Britto, Assistant Professor, Fathima Matha National College, Kollam and Dr. Rajeev Kumar A.D., Assistant Professor, Department of Commerce, BJM Government College, Chavara have taken classes on Accounting Standards and Behavioural Finance respectively. As part of the programme a one day field trip was arranged to Zoo, Museum and Planetarium on 12th August, 2019.

All the participants presented their project work with the help of power point slides. The presentations were evaluated by Dr. R. Vasanthagopal, Dr. Gabriel Simon Thattil and Dr. Resia Beegum. The course was successfully completed on 14th August 2019 with evaluation and feedback sessions followed by a valedictory function in which Dr. S.V. Sudheer, Director, UGC- HRDC distributed certificates to the participants. The participants expressed their deep gratitude to Dr. S.V. Sudheer (Director) and Dr. Gabriel Simon Thattil (Co-ordinator) for their dedication and enthusiasm which ensured the smooth conduct of the

course. The whole hearted and extreme co-operative attitude of administrative staff of UGC, HRDC were also acknowledged.

FOUR DAY WORKSHOP FOR UNIVERSITY ADMINISTRATORS

[From 05.08.2019 to 08.08.2019]

The Four Day Workshop for University Administrators began on 05.08.2019 at the UGC-HRDC, University of Kerala. The programme was formally inaugurated by Dr. S. V. Sudheer, Director, UGC-HRDC. In his inaugural address he highlighted the crucial role of Administrators in the function of the University. 30 selected employees of the University of Kerala were attended in this programme.

The following topics were covered in the programme: *Installation of Operating Systems* (Windows, Linux and Dual OS), *Basics of Networking* (setting up of LAN between two computes, configuring IP address, Folder/dive sharing, Cabling and Network Trouble shooting, Ping test, Basic of server and network security/firewall, Configuring Wifi, Installing Network Printer, etc.), *Linux Administration* (Linux Installation from files, Software package administration, installing and deleting software packages, Disk partition and mounting file system in Linux and windows), *Latex – Documentation Preparation System*, *Basics of Adobe Packages*, *Mail merging and bulk emailing*, *Kerala Service Rules* and *Interpersonal Relationships*. The above were sessions handled by the following Resource Persons: Dr. K. Satheesh Kumar, Dr. Ramesh Kumar, Dr. K. Asokan, Mr. Natesan Asari, Dr. Justin Padamadan. The programme was highly beneficial to the administrators and they have requested to provide this type of training to all other administrators based on their requirement.

REFRESHER COURSE IN ENGLISH LANGUAGE & LITERATURE

[From 06-08-2019 to 20-08-2019]

The course commenced at 09:30am on 06-08-2019 with registration of the participants and personal interaction with the Director, Sudheer sir. A total of 57 teachers from colleges across the state and 7 teachers

from neighbouring Karnataka, TN and Mumbai are the participants of the programme. The afternoon session of the first day comprised of an ice-breaking session which enables the participants to get to know each other on the professional and personal levels. In course of the day, Mr. Christy Clement and Ms. Devika Panicker were entrusted as the co-ordinators of the programme.

On 07-08-2019 saw the actual inauguration of the lecture sessions with **Prof. K. Gopalakrishnan** enlightening the participants on the topics “*Teaching English in a Flipped Classroom*”. The afternoon session was engaged by **Prof. P. Vijayakumar** with a lecture on “*English knowledge and Colleges.*” The third day, 08-08-2019, forenoon session was taken by **Prof. A. Joseph Doreiraj** sharing his invaluable insights on “Derrida & Deconstruction” and “Post Modernism.” The afternoon session was enlivened by the talk “*Between the Lines: An interdisciplinary Approach to Visual Arts and Literature*” by **Dr. C.S. Jayaraman**.

Friday, 09-08-2019, **Dr. C.S. Jayaraman** continued with a talk on “*Painting and Literature*” and the afternoon was taken up by an engrossing lecture on “*Post Truth and Social Media*” by **Dr. Saji Mathew**. Saturday, 10-08-2019 a single session engaged by **Dr. Dawny J. Mathew** on the topic “*Adolescent Psychology.*” Into the second week of the course, 13-08-2019, forenoon session was taken by **Prof. P.N. Prakash** on the topic, “*Commitment & Aesthetics.*” The same afternoon witnessed a scintillating session on “*Awareness of Classical Dance*” by **Dr. Venugopalan Nair**. 04-08-2019, forenoon session was engaged by **Dr. Amar S. Fettle** on “*Epidemics and Disaster Management*” and the afternoon session was enlivened by a Malayalam translation and rendering of “*Don Quixote*” under the umbrella of “*The Aesthetics of Improvisation.*”

16-08-2019- The morning session saw the final talk of the programme on *ELT* by **Dr. C.A. Lal**. The afternoon session ushered in the presentation of projects by the participants and chaired By **Dr. Gopinathan Pillai**, Pro-Vice Chancellor, University of Calicut. The forenoon session of 17-08-2019, took us into the second day of the presentations with Dr. Gopinathan Pillai offering his priceless insights. The project

presentations continued the entire day of 19-08-2019 with the invaluable comments of the chair, **Dr. Sajeev Rose**.

The final day of the Refresher Course, 0-08-2019, the participants were in a relaxed mood with informal chgatter and display of artistic skills in the form of songs, dance, jokes etc. Later in session Dr. Sudheer, Director and Dr. P.P. Ajayakumar, Pro-Vice-Chancellor, University of Kerala interacted with the participants getting feedback and suggestions. This was followed by the distribution of certificates and the programme was wound by in a befitting manner by the serving of sadya.

SHORT TERM COURSE IN WOMEN EMPOWERMENT

[From 29-08-2019 to 04-09-2019]

The short term course in **Women Empowerment**, for the teaching faculty of Colleges and Universities, conducted by UGC-HRDC, University of Kerala, commenced on the morning of 29.08.2019. The participants were given a warm welcome by Dr. S. V. Sudheer, Director, UGC-HRDC, University of Kerala. The formal registration of 58 participants from different Colleges and University Departments started at sharp 9:30 am. The conveners of the course were Dr. Sheeba Sarath S, Asst. Professor, Dept. of Political Science, Govt. Arts & Science College, Kozhikode and Dr. P. K. Sreekumar, Asst. Professor, Dept. of English, Maharaja's College, Ernakulam.

During the programme, the following areas were discussed by eminent resource persons. Topic 1: *Women & Film*, **Dr. Muraleedharan**. Topic 2: *New Dimensions of Women Empowerment*, **Dr. Molly Kuruvila**. Topic 3: *Life Skills*, **Dr. Baby Shari**. Topic 4: *Women & Contemporary Political Science*, **Mrs V. P. Zuhara**. Topic 5: *Human Rights*, **Dr. Josukutty C. A.** Topic 6: *Empowerment through Decentralization*, **Sri S.M Vijayanand IAS**. Topic 7: *Yoga*, **Mr. Roopesh R**. Topic 8: *Communication and Presentation Skill*, **Dr. Prakash Ramakrishna**. Topic 9: *Emotional Intelligence*, **Dr. Beela G. K.** Topic 10: *Empowering or Disempowering? Academic Women in Institution of Higher*

Education, **Dr. Anita Ravisankar**. Topic 11: *Value Based Education*, **Dr. Dinakarlal Thavamony**. The participants shared their experiences and gave suggestions for further improvement.

REFRESHER COURSE IN MATHEMATICS

[From 17-09-2019 To 30-09-2019]

The Refresher Course in Mathematics began on 17.09.2019 at UGC-Human Resource Development Centre, University of Kerala. The course started with the introductory remarks and briefing of the course by the course co-ordinator Dr. G. Suresh Singh. Dr. S. V. Sudheer, Director, UGC-HRDC, introduced the participants and gave a clear idea about the objective of the programme which was followed by an ice breaking session. Dr Saju M.I, Assistant Professor, St. Thomas College, Thrissur and Dr. Savitha K.S, Assistant Professor, St. Paul's College, Kalamassery were selected as the conveners of the programme. Out of the 52 participants 10 were from other states.

The following topics were discussed during the course: Topic 1: *Differential Equations and its Applications*, Resource Person: **Dr. Raju K George**. Topic 2: *Group Representation*, Resource Person: **Dr. P.G Romeo**. Topic 3: *Decomposition of Matrices*, Resource Person: **Dr. A.R Rajan**. Topic 4: *Markov Process and its Application*, Resource Person: **Dr. Anbazhakan**. Topic 5: *Number Theory and Cryptography*, Resource Person: **Dr. Baskar Babujee**. Topic 6: *Graphs from vector Spaces*, Resource Person: **Dr. R Kala**. Topic 7: *Multivariable Calculus*, Resource Person: **Dr. Kaushik Mukherjee**. Topic 8: *Surfaces To Manifolds*, Resource Person: **Dr. K.S.S Moosath**. Topic 9: *Communicable Diseases, Outbreaks, Achieving Control*, Resource Person: **Dr. Amar. S. Fettle**. Topic 10: *Lattice of topological spaces*, Resource Person: **Dr. T.P Johnson**. Topic 11: *Complex Network Analysis*, Resource Person: **Dr. K Satheesh Kumar**. Topic 12: *Service Rules*, Resource Person: **Sri. Natesan Asary**. Topic 13: *Inter Personal Relationships*, Resource Person: **Dr. S. V Sudheer**.

During the remaining 5 sessions participants presented their project, which was evaluated by Dr G. Suresh Singh and Dr. P. Rameshkumar. A field

visit arranged on 21.09.2019 to Ponnudi and Kallar was thoroughly enjoyed by the participants and created a wonderful rapport with each other. On 30.09.2019, an evaluation and feedback session was arranged in the morning which was followed by the valedictory function. This 14 day long Refresher course in Mathematics provided a rich learning experience to all the participants and they expressed their sincere gratitude and appreciation to the Director, Co-ordinator and all the Administrative Staff for their efforts and commitment to the smooth conduct of this programme.

SHORT TERM COURSE ON MOOCS, E-CONTENT DEVELOPMENT AND OPEN EDUCATIONAL RESOURCES

[From 25.09.2019 to 01.10.2019]

A short term course on the latest learning management systems including but not limited to MOOCS, E-content Development and Open Educational Resources was held from 25.09.2019 to 01.10.2019 at UGC HRDC, University of Kerala, Thiruvananthapuram. The introduction to the course was given by Dr. S. V. Sudheer, Director, UGC-HRDC, Thiruvananthapuram. The course was co-ordinated by Dr. K. Satheesh Kumar, Associate Professor and Head of the Department of Futures Studies, University of Kerala, Thiruvananthapuram. Dr. Abraham A., Department of Physics, Christian College, Chengannur and Dr. Tara S. Nair, N.S.S. Training College, Pandalam acted as the conveners. The course was unique in content, novel in intent and progressive in outlook. Resource person, **Dr. V. P. Joshit** led both theory and practical sessions on *MOOC- MOODLE*. **Dr. Shameer Babu** trained the participants in *Planning and design of MOOC*. **Dr. A. R. Ramesh** detailed the participants on *E-content tools*. The course was marked by active and live sessions. Video recording training was also provided. The course concluded with a feedback session where the participants gave positive and constructive suggestions.

164th ORIENTATION PROGRAMME

[From 16-10-2019 to 05-11-2019]

The 164th Orientation Programme was conducted from 16th October to 5th November 2019 by the Human

Resource Development Centre, University of Kerala. Dr. S.V. Sudheer, the Honorable Director inaugurated the training programme and highlighted the objectives of the 21-day programme to enrich the participants with new teaching skills and methodology. He pointed out the challenges in Higher Education and assured that this programme would enable the participants to face the challenges in the field. The Administrative coordinator Mr. Hari S. also addressed the gathering, explaining the code of conduct during the course. The ice-breaking session initiated by Dr. S.V. Sudheer was very much exciting, thought provoking, motivating and interesting. Then this session was effectively conducted by Dr. Anish Cyriac, Assistant Professor, P.G. & Research Department of Hindi, St. Thomas College Palai, Ms. Sharon S., Assistant Professor, Dept. of Politics, St. Stephen's College, Pathanapuram and Dr. Josna Rajan, Assistant Professor, Department of English, Govt. College, Kariavattom.

For the orderly and efficient conduct of the Programme, Dr. Anish Cyriac, Assistant Professor, P.G. & Research Department of Hindi, St. Thomas College Palai and Ms. Sharon S., Assistant Professor, Dept. of Politics, St. Stephen's College, Pathanapuram were unanimously elected as conveners of the Programme respectively.

The programme comprised sessions on the following topics. Topic 1: *Research Methodology*, Resource Person: **Dr. Simon Thattil**. Topic 2: *Water Resource Management*, Resource Person: **Dr. E Shaji**. Topic 3: *Women Empowerment*, Resource Person: **Adv. Bhuvanendran Nair**. Topic 4: *Time Management*, Resource Person: **Dr. V. Reghu**. Topic 5: *Pesticides and residues in food and their impact*, Resource Person: **Dr. Thomas Biju**. Topic 6: *Reflective Teaching*, Resource Person: **Dr. Rosamma Philip**. Topic 7: *Skills required for mentoring*, Resource Person: **Dr. Robert Clive**. Topic 8: *Living with Diseases*, Resource Person: **Dr. Aswini Kumar S.** Topic 9: *Interactive Discussion*, Resource Person: **Dr.S.V. Sudheer**. Topic 10: *Health and Wellness*, Resource Person: *Dr. Usha S Nair*. Topic 11: *Fire & Rescue Services in Disaster Management*, Resource Person: **Sri. Prathap Kumar**. Topic 12: *Awareness of Indian Classical Dances*, Resource Person: **Dr. Venugopalan Nair C.** Topic 13: *Introduction to*

Film Studies, Resource Person: **Dr. Muraleedhanran Tharayil**. Topic 14: *Nuclear: Clean and green energy*, Resource Person: **Sri. A.V. Sathish**. Topic 15: *E-Resources for Teaching & Research*, Resource Person: **Dr. K.P. Vijayakumar**. Topic 16: *Meditation & Yoga*, Resource Person: **Mr. Roopesh Kumar**. Topic 17: *Service Rules*, Resource Person: **Sri. Natesan Asary**. Topic 18: *Video Analysis*, Resource Person: **Dr. Theresa Susan**. Topic 19: *Classroom Management*, Resource Person: **Dr. S.V. Sudheer**. The Project presentations of the participants were evaluated by Dr. Biju, Dept. of Physics, Dr. C. Gopinathan Pillai, Dept. of English and Dr. Resia Beegam, Dept. of Commerce.

Various Cultural programmes were presented by the participants and the same was effectively led by the Cultural Committee under the leadership of Dr. Vidyuth. Even though a one-day field trip to Poovar and Kovalam was arranged and we had to cancel the trip due to heavy rain and very bad weather conditions. So we restricted our field trip to Planetarium, Museum and Mall of Travancore. The field trip created a feeling of oneness, cordial rapport and coherence among the participants. The day of the trip is an unforgettable day of the course.

The 21 days Orientation came to a successful and fruitful culmination on 05.10.2019. An evaluation of the programme was conducted through feedback questionnaires and interactive discussion. The participants expressed their views regarding the programme and were of the opinion that it really helped all the participants to improve and mould their teaching, learning and interactive skills. The participants expressed their deep appreciation for the orderly, systematic and excellent conduct of the course under the ideal and perfect leadership of the Director Dr. Sudheer Sir. The participants testified the utmost care and affection shown by Dr. Sudheer Sir by expressing immense gratitude to Dr. Sudheer himself, coordinator Hari sir, Technical Assistant Rajashekharan Sir and all the other staff of the HRDC who made the participants feel at home throughout the course. The 21-days Orientation was a rich and productive learning experience for all the participants. We are indebted to the entire HRDC team under the exemplary leadership

of Dr. S.V. Sudheer for providing us with a vivid and unique academic experience throughout programme.

29th REFRESHER COURSE IN HINDI LANGUAGE & LITERATURE

[From 18.10.2019 to 31.10.2019]

The Refresher Course in Hindi Language & Literature was conducted from 18.10.2019 to 31.10.2019. There were 46 participants for the course. Dr. R. Jayachandran, Professor and Head, Dept. of Hindi, Kerala University was the course Co-ordinator. The conveners of the course were Dr. Rakhi Balagopal, Asst. Professor, Dept. of Hindi, PTM Govt. College, Perinthalmanna and Dr. Rajan, Asst. Professor, Dept. of Hindi, SDE, University of Kerala. On 18.10.2019, registration was over by 11. Am and then a briefing of the course was given by Dr. S.V. Sudheer, Director, UGC-HRDC, University of Kerala. In the afternoon session there was an Ice Breaking Session.

From 19.10.2019 onwards various eminent Resource Persons handled the sessions and the details are as follows. **Prof. Dr. Ravi Ranjan** (*Sociology of Literature*), **Prof. Dr. Shanti Nair** (*The Language of Contemporary Hindi Poetry*), **Prof. Dr. N. Mohanan** (*Modernism*), **Prof. Dr. K. Vijaya** (*Post Modernism*), **Prof. Dr. S. Thankamani Amma** (*Women Fiction Writing: Contemporary perspective*), **Dr. Beela G.K.** (*Emotional Intelligence*), **Dr. Sethunath R.** (*Globalisation and Contemporary Hindi Novels*), **Prof. Dr. Ram Prakash** (*Hindi Criticism Conceptual Conflicts*), **Dr. Pramod Kovaprath** (*Neo-Colonial Voice in Contemporary Hindi Poems*), **Dr. Usha S. Nair** (*Health and Wellness*), **Dr. Jayashankar Babu** (*MOOCS/MOODLE*), **Dr. V.K Subramanian** (*Bazaarvad aur Sanckerteen Hindi Kavita*) (*Globalisation and Contemporary Hindi Poetry*), **Prof. Dr. Anil Singh** (*Medieval Period and Discourses in Contemporary Hindi Novels*), **Prof. Dr. Jayachandran R.** (*Writing Thesis Proposal*) and **Amar S. Fettel** (*Epedemics as a Biological Disaster*) presentation of Project works were also done and Evaluators for the presentation were **Dr. R. Jayachandran** and **Dr. S. Thankamoni Amma**. A Field visit was also organized on 30.10.2019

to Kollam Jatayu Rock Park which was a memorable experience for the participants of outside states. Evaluation and feedback were done by participants on 31.10.2019 during the valedictory session. Certificate of participants were distributed and the Course wound up by 12.30.pm.

SHORT TERM COURSE IN GROUP THEORY [From 29-10-2019 to 04-11-2019]

The Short – Term Course in Group Theory was held from 29-10-2019 to 04-11-2019. The programme began with an inspirational briefing of the objectives of the course by Dr. S. V. Sudheer, Director, UGC-HRDC, University of Kerala. The course co-ordinator Dr. Ramesh Babu P., Dept. of Mathematics, University of Kerala, Kariavattom campus gave an overview of the programme. The course was designed for the career enrichment of teachers from Mathematics, Physics and Chemistry streams.

The following topics were covered during the programme: Topic 1. *Finite and Discrete groups with emphasis on computation with applications to Cryptography*, Resource Person; Dr. B. R. Shankar. Topic 2. *Representation Theory of Finite Groups*, Resource Person: **Dr. A. R. Rajan**. Topic 3. *Lie Groups*, Resource Person: **Dr. M. Jathavedan**. Topic 4. *Group Theory and Quantum Mechanics*. Resource Person: **Dr. Ramesh Babu**. Topic 5. *An Introduction to theory of Groups and its applications*. Resource Person: **Dr. Prosenjith Das**. Topic 6. *Group Theory in Chemistry*. Resource Person: **Dr. S. Salavudeen**. Topic 7. *Group Theory and applications*. Resource Person: **Dr. E. Krishnan**. Prof. Roy Thomas Ganapathiplackel and Dr. Deepa. V were the convenors of the programme. The programme was highly beneficial to the participants. All the participants gave their feedback on the course and were satisfied about the excellent conduct of the course.

15th REFRESHER COURSE IN WOMEN'S STUDIES & WOMEN EMPOWERMENT [From 01.11.2019 to 14.11.2019]

The UGC sponsored 15th Refresher Course in Women's Studies & Women Empowerment was held from 01.11.2019 to 14.11.2019. It was inaugurated by

Dr. S.V. Sudheer, Director UGC-HRDC and introduced the course to all the participants. Dr. Sindhu Thulaseedharan who is the co-ordinator of this Refresher Course gave us an overall idea about the forth-coming session. Mr. Abu Joseph C, Assistant Professor, Department Physical Education, Baselius College, Kottayam and Ms. Sandhya J Nair, Assistant Professor, Department of History, Govt. College, Attingal are selected as convenors of this programme.

The following topics were covered in the session. Topic 1: *Legal Protection of Women* – **Adv. Bhuvanendran Nair**, Topic 2: *Changing Perceptions of Feminity in a world facing Catastrophic Environmental Change* – **Dr. S. Shanti**, Topic 3: *Women and Health perspective* – **Dr. Soumya Gopakumar**, Topic 4: *Interactive Session* – **Prof. Kanayi Kunhiraman**, Topic 5: *Why I Came in BBC'S '100 Women' List?* – **Ms. Viji**, Topic 6: *Populism and Feminism* – **Prof. P. Vijayakumar**, Topic 7: *Feminist Theory-As Re-Vision and Vision* – **Prof. M. D. Radhika**, Topic 8: *NISA- A different model for attaining self-esteem* – **Ms. V. P. Zuhra**, Topic 9: *Life Skills & Stress Management* – **Dr. Dawny J. Mathew**, Topic 10: *Women & Environment* – **Prof. Kusumam Joseph**, Topic 11: *Manushi's impact in Kerala Society* – **Prof. Sarah Joseph**, Topic 12: *Self Defence Training* – **Kerala State Women Police Team**, Topic 13: *Gender Based Cyber Violence against Women* – **Prof. J. Devika**, Topic 14: *Nritha & Nritya aspects in dance form* – **Dr. Venugopalan Nair C**, Topic 15: *Representation of Women in contemporary cultural texts : A Case Study of Kerala* – **Prof. Babitha Marina Justin**. The project presentation by the participants was chaired by Dr. C. Gopinathan Pillai, Dr. Resia Beegam.

The feedback of the course given by participants was very positive and encouraging. They gave their suggestions to improve the aspects of the course. Overall, the participants found the course beneficial as it created an awareness of human rights among the participants. The participants placed as record their gratitude to the Director & its efficient train at HRDC for successful conduct of this Refresher Course. They also thanked Dr. Shaji Varkey who made this course possible.

20th REFRESHER COURSE IN LIBRARY AND INFORMATION SCIENCE

[From 06-11-2019 to 19-11-2019]

The 20th Refresher Course in Library and Information Science commenced on 6th November 2019 with the inaugural speech of **Dr. S.V. Sudheer, Professor and Director, UGC-HRDC, University of Kerala**. In his inaugural address he emphasised the role of Library and Information Science (LIS) Professionals in Higher Education. **The Course Co-Ordinator, Dr. Vijayakumar, K.P., Former HOD, Department of Library and Information Science (DLIS), University of Kerala** gave an overview of the programme and the need for attending Refresher Courses by the LIS professionals. He explained the skills and competencies required by the professionals in the Information Communication Technology (ICT) enabled teaching learning system. **Dr. P.K Suresh Kumar**, Assistant Librarian, University of Kerala and **Ms, Anat Suman Jose**, Librarian, St. Peter's College, Kolenchery were selected as the Convener and the Co-Convener respectively. The Ice-breaking session in the Afternoon on 6th November 2019 was very interactive and interesting and was effectively conducted by the conveners under the supervision of Director, UGC-HRDC, University of Kerala.

During the course various topics were discussed by eminent resource persons in the field of LIS, Technology and Medicine. The first topic **PADLET for Collaborative Learning** was handled by **Dr. Dinesan Koovakkai, Assistant Librarian, University of Calicut** on 7th November 2019. In his class he explained various aspects of PADLET and demonstrated the way it can be used for Bulletin Board Services of the Library. The afternoon (AN) session was taken by **Dr. Sainul Abideen, Head, Indian Institute of Science Education Research, Trivandrum** on the topic "**Use of Technology for Marketing of Information Services**". The speaker acquainted the audience about the importance of Information Technology applications in the Marketing of Information Services. He also focused on Information services, information products and the ways of marketing and promotional mechanisms in library and information centres. In his second lecture, he explained lots of tools

especially, how to create a blog for the library with blogger, how to use and update the blogs and what are all the services we can be provided through blogs.

The Forenoon Session on 8th November handled by **Dr. Satheesh Kumar, K, Associate Professor, Department of Future Studies, University of Kerala** on the topic **Digital Technologies in Higher Education**. He explained various Massive Open Online Courses (MOOC). Then he demonstrated the installation of Moodle (Modular Object Oriented Dynamic Learning Environment) in Windows version. He also narrated the importance and characteristics of OBS (Open Broadcasting Software) in MOOC. Finally he explained the importance of Citation Network Analysis in research. The Afternoon session was on **Recent Trends in Bibliographic Organisation** by **Shri. M. Varghese, Former HOD, DLIS, University of Kerala**. He explained the development of RDA from RDC and discussed about the major landmarks in Cataloguing, present cataloguing environment, Changes in user approach, FRBR, RDA, Metadata- types-schemas, Dublin Core, MODS-elements-examples, TEI (Text Encoding Initiatives) etc.

On 11th November 2019 the topic on "**Web Authoring and designing**" was handled by **Dr. K. Muhammed Haneefa, Associate Professor, DLIS, University of Calicut**. He discussed the guidelines for designing the website of an institution, then he demonstrated the procedure for developing and hosting a website using html tags. The afternoon session was on "**Health and Wellness**" by **Dr. Usha S Nair, Associate Professor, Former Dean, Faculty of Physical Education, Lakshmi Bhai National College of Physical Education, Thiruvananthapuram**. She explained the importance and the effective ways of various exercises and gave an energetic physical training through aerobics.

12th November 2019 morning session was taken by **Dr. M. Chandrasekhaa, Professor, DLIS, Mysore University** on the topic "**Competencies of LIS professionals**". He explained the transition from physical libraries to smart libraries and the role of librarian in the technology environment. The afternoon session was on "**Current Trends in Library Acquisitions: What next?**" by **Dr. M.G Sreekumar,**

Head, Library and Information Division, Indian Institute of Management, Kozhikode. He also discussed about various web discovery tools by narrating his own experience in IIM Kozhikode.

The forenoon session on 13th November was on *“Intellectual Property Rights in the Digital Era”* by **Dr. A. Gopikuttan, Former Professor and Head DLIS, University of Kerala.** He explained in detail about IPR Act, Copy Right Act by quoting many examples. The Afternoon session by **Dr. Amar S. Fettle, State Nodal Officer, HINI and Paediatrics Directorate of Health Services, Govt. of Kerala** on the topic *“Epidemics as a Biological Disaster”* was very informative. He discussed various issues of Adolescents in the present society. He discussed on lifelong education and he gave various suggestions to improve physical and mental health of adults and students.

On 14th November 2019, the forenoon session was handled by **Dr. Jeyapragash, Associate Professor, Bharathidasan University, Tamil Nadu** on the topic *“Profile Management System”* and then he discussed on *“Research Identity Tools”*. He explained various profile management tools such as Open Vivo, Mendely IRINS etc. and Academic Identity tools like International Standard Name Identifier (ISNI), Scopus ID, ORCID etc. The Afternoon session was on *“Plagiarism: Issues and Solutions”* by **Dr. Abdul Azeez, University Librarian, CHMK Library, University of Calicut.** He discussed about various types of plagiarism, Plagiarism detection tools, and the UGC Regulation 2018 for the promotion of academic integrity and prevention of plagiarism in Higher Education Institutions.

15th November 2019 Morning session by **Dr. R. Sevukan, Associate Professor, Pondicherry University** explained the topic *“The mechanics of scholarly writing”* by highlighting various sources of literature, research fraud, how to cite sources in text and the preparation of bibliography in different style manuals. Also he explained various content writing tools such as Scrivener, Citavi, La Tex etc. The afternoon session was devoted for *Research Project presentation.* **Dr. B. Mini Devi, Assistant Professor, DLIS, University of Kerala** was the

moderator. 24 participants presented their reports in that session.

Dr. V. Gopakumar was the resource person for the 6th November Morning session on *“Reference Management tools and the application of MS Word in Research writing”*. He demonstrated the installation of Mendely, a reference management tool. He also explained Endnote and the tools available in MS Word for content page creation, text indexing etc. The afternoon session was exclusively for *Reference management tools with special reference to Zotero* by **Shri. V. Sriram, Librarian, KN Raj Library, Centre For Development Studies.** He demonstrated the installation and the use of Zotero in managing References in Research.

The field trip to **Jadaya Earth Centre in Chadayamangalam** was a refreshing experience for the participants. The project presentation of the remaining participants was evaluated by Dr Vijayakumar, K.P, Course Coordinator. The course came to a close with evaluation and feedback from participants. Most of the participants expressed their opinion about the programme and gave their suggestions for further improvement. The whole hearted and timely involvement of the Director, the Course Coordinator and sincere and extreme cooperative attitude of the administrative and supporting staff were specially mentioned in the Valedictory session.

XXXIII REFRESHER IN MATERIALS SCIENCE

[From 21-11-2019 To 04-12-2019]

The 33rd refresher course in Materials Science started on 21st November 2019. The programme was inaugurated by Dr S V Sudheer, Director, UGC-HRDC, University of Kerala. He briefed the participants about the course and the general instructions to be followed by all the participants. Later, Dr Biju V, the Course Coordinator, Assistant Professor, Department of Physics, University of Kerala addressed the participants and provided the course structure and list of resource persons. Dr Manu R, Assistant Professor, Department of Chemistry, Sri Vyasa NSS College, Wadakkancherry and Dr Prabitha B Nair, Assistant

Professor, Department of Physics, MG College, Thiruvananthapuram were selected as the Convenors of the program.

The following topics were covered during the course:
Topic 1: *Advanced Functional Materials for Climate Changes and Storage Devices* – Resource Person : **Dr S Anathakumar**, Topic 2: *Nanostructured Materials for supercapacitors* - Resource Person: **Dr Rakhi RB**, Topic 3: *Scanning Probe Microscopy* - Resource Person: **Dr K B Jinesh**, Topic 4: *Epidemics as a biological disaster* - Resource Person: **Dr Amar Fettle**, Topic 5: *Scanning Electron Microscopy* - Resource Person: **Dr P Prabhakara Rao**, Topic 6: *Nanofluids* – **Dr S Sankararaman**, Topic 7: *Brownian Motor at Nanoscale* – **Dr Mamata Sahoo**, Topic 8: *Group Theory* – **Dr A Salahudeen Kunju**, Topic 9: *Advanced Ceramic Materials for Functional Applications* - Resource Person - **Dr Hareesh US**, Topic 10: *Polymer based nanocomposites for optoelectronic/energy applications* - Resource Person: **Dr Honey John**, Topic 11: *Fuel Cells* - Resource Person: **Dr Sibi K S**, Topic 12: *Designing Smart Materials*-Resource Person: **Dr Yamuna A**, Topic 13: *Laser Assisted Non-destructive testing and synthesis of materials* - Resource Person: **Dr A Mujeeb**, Topic 14: *Right to Information Act* - Resource Person: **Mr Manoharan Nair**, Topic 15: *Transmission Electron Microscopy* - Resource Person: **Dr Manoj Raama Varma**, Topic 16: *Certain greatest challenges of a material scientist in the 21st century* – **Dr K G Gopchandran**, Topic 17: *Solid state luminescent organic molecular materials* – **Dr Suneesh C V**, Topic 18: *Reactive Graft Copolymers of Polysaccharides with functional ligands for use as 'Global Compatible Materials' in the field of analytical, environmental and biomedical applications* - Resource Person: **Dr T S Anirudhan**.

In the afternoon of 29th November, 2019, the participants visited CLIF, University of Kerala and Department of Physics, University of Kerala and gained an insight on the use of various instruments available for materials characterisation. All the participants presented a report based on their research areas and was evaluated by the course coordinator. The effort taken

by the Course Coordinator Dr V Biju for the smooth conduct of the course is worth comment and was appreciated by all the participants. Feedback collected from the participants reflected that the program was successful. The participants wholeheartedly appreciated the untiring efforts taken by the staff of HRDC and their warm hospitality.

SHORT TERM COURSE IN GENDER SENSITIZATION

[From 22-11-2019 to 28-11-2019]

The short term course on **Gender sensitization**, for the teaching faculty of Colleges and Universities, conducted by UGC-HRDC, University of Kerala, commenced on the morning of 22-11-2019. The formal registration of 60 participants from different Colleges and University Departments start at 9:30 am.

The first session was handled by the course coordinator **Dr. Lakshmi Sukumar**, Assistant Professor of English, University of Kerala. She eloquently briefed up the contents of the upcoming sessions and gave an idea of the resource persons who are coming. The afternoon **Ice-breaking session** was beautifully carried on by the Director of UGC-HRDC, **Dr. S. V. Sudheer**, assisted by the two convenors, selected from among the participants.

On 23-11-2019, the technical sessions started with the session on 'Yesterday of Kerala Women' and 'Gender Relations' in Kerala by **Dr. T.K. Anandi**, Gender Advisor to Government of Kerala. The forenoon session of 25-11-2019 had two different sessions, one by **Ms. Soniya J. Nair**, Assistant Professor of English, All Saints College on 'Colonial Laws and Sexualities in India' and another by **Dr. K. P. Jayakumar** on 'Gender and Cinema'. This was followed by the afternoon session on 'Gender Equality' by **Dr. Beela G.K.**

Dr. Jijo Kuriakose, a transgender person and activist, spoke on **SOGI Inclusive Education** on 26/11/2019 forenoon and **Dr. Dhanya Menon**, the first Cyber Crime Investigator, delivered an informative talk on 'Gender and Cyber Security' during the afternoon session. The talk on 'Gender and Medicine' by **Dr. Devika J.** actively engaged the forenoon session

of 27/11/19. That afternoon had **Dr. Seema Jerome**, Asst. Prof. of Malayalam, University of Kerala, talking on **Gender and Language**.

The concluding day had **Dr. Bismi Gopalakrishnan** for the forenoon sessions who fantastically took the participants to the intricacies of Constitution of India through her talk on ‘**Gender and Law**’. The **Evaluation and Feedback session** followed, with active interaction from participants along with constructive suggestions which were positively taken note of by the course Co-ordinator Dr. Lakshmi Sukumaran. The Course gave valuable insights into the need for a gender sensitized society.

WINTER SCHOOL – REFRESHER COURSE
[From 5-12-2019 to 18-12-2019]

Multidisciplinary refresher course was held from 5/12/2019 to 18/12/2019. The course was inaugurated by Dr. S V Sudheer, Director of UGC-HRDC. After the registration and briefing, an ice breaking session was followed. This was initiated by the director and later the session was assisted by Dr. Sunny Joseph, Dr. Beena Thomas and Dr. K V Zeena. The ice breaking session helped the participants to know each other. Dr. Sunny Joseph, St. Georges’s college Aruvithura and Ms. Subha R. Nair Asst. Professor in statistics, HHMSPB NSS college for women, Neeramankara were selected as the conveners for the course.

The following topics were discussed in the winter school: Topics 1: *Creativity and class room work*, Resource Person: **Dr. Dinakarlal Thavamony**. Topics 2: *Educational standards: Falling or failing- A ticking Bomb*, Resource person: **Dr. Nisha Chandran**. Topics 3: *Gender studies*, Resource Person: **Dr. Muraleedharan Tharayil**. Topics 4: *Time Management*, Resource Person: **Dr. S V Sudheer**. Topics 5: *Emotional intelligence*, Resource Person: **Dr. Beela G K**. Topics 6: *Skills required for mentoring the new generation*, Resource Person: **Dr. Robert Clive G**. Topics 7: *Medicine*, Resource Person: **Dr. Devika**. Topics 8: *Research Methodology*, Resource Person: **Dr. R P. Sevukaan**. Topics 9: *Kerala Service Rules*, Resource Person: **Sri K Natesan Asary**. Topics 10: *Choreography and Dance*, Resource Person: **Dr. Venugopal Nair C**.

Topics 11: Epidemic as a biological disaster, Resource Person: **Dr. Amar S Fettle**. Topics 12: SOGI Inclusive education, Resource Person: **Dr. Jijo Kuriakose**.

A one day field trip was conducted to Padmanabhapuram palace, Zoo, and Museum on 14.12.2019 It was really a refreshing experience to the participants. The project presentations of the participants were evaluated by Dr. Sajeev Rose, Dr. Ganga Prasad and Dr. Resia Begum. The course ended up with a conclusion, evaluation and a feedback session. Participants expressed their opinion about the programme and gave their appreciations, suggestions for further improvement. A special mention, on the dedication, responsibility and enthusiasm of Dr. S V Sudheer ensured the smooth conduct of the course, was made by the participants. They also expressed their special thanks to the administrative staff for their cooperative attitude to all the participants of the UGC HRDC, University of Kerala.

XXXIX REFRESHER COURSE IN MALAYALAM LANGUAGE & LITERATURE
[From 07-12-2019 To 20-12-2019]

കേരള സർവ്വകലാശാലയുടെ യു. ജി. സി. എച്ച്. ആർ. ഡി. സി. 39-ാമത് മലയാളം റിഫ്രഷർ കോഴ്സ് 7-12-2019 മുതൽ 20-12-2019 വരെ എച്ച്. ആർ. ഡി. സിയിൽ വെച്ചു നടത്തി. വിവിധ കോളേജുകളിൽ നിന്ന് 67 അധ്യാപകർ പങ്കെടുത്തു. രജിസ്ട്രേഷനുശേഷം കോഴ്സ് ഉദ്ഘാടനം ബഹു. ഡയറക്ടർ., ഡോ. എസ്. വി. സുധീർ സാർ നിർവ്വഹിക്കുകയും, കോഴ്സ് വ്യവസ്ഥകൾ കോഴ്സ് കോർഡിനേറ്റർ ഡോ. എ. എം. ഉണ്ണികൃഷ്ണൻസാർ വിവരിക്കുകയും ചെയ്തു. 12 മണിയോടു കൂടി ഓഫീസ് അഡ്മിനിസ്ട്രേറ്റർ ഹരി സാറിന്റെ സാന്നിധ്യത്തിൽ ഡോ. രഘുകുമാർ, ഡോ. കെ. മിനി എന്നിവരെ കൺവീനർമാരായി തിരഞ്ഞെടുക്കുകയും അധ്യാപകരെ ഗ്രൂപ്പുകളായി തിരിച്ച് പരസ്പരം പരിചയപ്പെടുത്തുകയും ചെയ്തു. 9.30 മുതൽ 4.30 വരെയുള്ള 2 സെഷനായിട്ടായിരുന്നു. ക്ലാസ്സുകൾ 07/12/2019 ശനിയാഴ്ചയിലെ ക്ലാസുകൾ 4.30 ഓടുകൂടി അവസാനിച്ചു.

09/12/2019 തിങ്കളാഴ്ച 9.30 മുതൽ 12.30 വരെയുള്ള ആദ്യ സെഷൻ ഡോ. എം. ശ്രീനാഥൻ, മലയാളത്തിലെ വ്യവഹാരപ്രഗഥന മാതൃക എന്ന വിഷയത്തെ ആസ്പദമാക്കി ക്ലാസെടുത്തു. 10/12/2019 ചൊവ്വാഴ്ച 9.30 മുതൽ

12.30 വരെ ഡോ. ബി. വി. ശശികുമാർ ചലച്ചിത്രഗാനങ്ങളിലെ സൗന്ദര്യശാസ്ത്രം എന്ന വിഷയത്തെക്കുറിച്ച് ക്ലാസെടുത്തു. 1.30 - 4.30 വരെ ഡോ. ആർ. വി. എം. ദിവാകരൻ വിജ്ഞാന മലയളവും സാങ്കേതിക പദസാധ്യതകളും എന്ന വിഷയത്തിൽ ക്ലാസെടുത്തു. 11/12/2019 ബുധനാഴ്ച 9.30 മുതൽ 12.30 വരെ, ചെറുകഥയുടെ വർത്തമാനം എന്ന വിഷയത്തിൽ കഥാകൃത്ത് സന്തോഷ് ഏച്ചക്കാനം ക്ലാസെടുത്തു. 1.30 - 4.30 വരെ ഡോ. എൻ. അജയ്കുമാർ, നളചരിതം അരങ്ങും സാഹിത്യവും എന്ന വിഷയത്തിൽ ക്ലാസെടുത്തു. 12/12/2019 വ്യാഴാഴ്ച 9.30 - 12.30 വരെ കാവ്യാത്മക ദർശനം എന്ന വിഷയത്തിൽ ഡോ. പുജപ്പുരകൃഷ്ണൻനായർ ക്ലാസെടുത്തു. 1.30 - 4.30 വരെ നോവൽ നിരൂപണത്തെക്കുറിച്ച് ഡോ. പി. കെ. രാജശേഖരൻ ക്ലാസെടുത്തു. 13/12/2019 വെള്ളിയാഴ്ച 9.30 - 12.30 വരെ ചലച്ചിത്രഗാനങ്ങളെക്കുറിച്ച് ശ്രീ. ശ്രീകുമാരൻ തമ്പി ക്ലാസ്സ് നയിച്ചു. 1.30 - 4.30 വരെ എം. പി. ശങ്കുണ്ണിനായരുടെ വിമർശക ജീവിതം എന്ന വിഷയത്തിൽ ഡോ. ശ്രീശൈലം ഉണ്ണികൃഷ്ണൻ ക്ലാസെടുത്തു. 14/12/2019 ശനിയാഴ്ച 9.30 - 12.30 വരെ ഡോ. അമർ - എസ്. ഫെറ്റിൽ എപ്പിഡെമിക് ആന്റ് എ ബയോളജിക്കൽ ഡിസാസ്റ്റർ എന്ന വിഷയത്തിൽ ക്ലാസെടുത്തു. 1.30 - 4.30 വരെ കേരളനടനത്തെക്കുറിച്ച് ഡോ. എസ്. വേണുഗോപാൽ ക്ലാസെടുത്തു. 16/12/2019 തിന്നളാഴ്ച 9.30 - 2.30 വരെ ചെറുകഥാ വിമർശനം പാഠങ്ങൾ പാഠഭേദങ്ങൾ എന്ന വിഷയത്തെക്കുറിച്ച് ഡോ. വി. രാജാകൃഷ്ണൻ ക്ലാസെടുത്തു. 1.30 - 4.30 വരെ അദ്ധ്യാപകരുടെ പ്രബന്ധാവതരണമായിരുന്നു. 17/12/2019 9.30 മുതൽ 4.30 വരെ അദ്ധ്യാപകരുടെ പ്രബന്ധാവതരണം നടന്നു. 18/12/2019 9.30 - 12.30 വരെ ഡോ.പി.എൻ. പ്രസാദ്, മലയാളകവിതയുടെ ചൊൽവടിവുകൾ എന്ന വിഷയത്തെക്കുറിച്ച് ക്ലാസെടുത്തു. 1.30 - 4.30 വരെ പ്രബന്ധാവതരണം നടന്നു. 19/12/2019 9.30 മുതൽ 10.30 വരെ ചെറുകഥകളെക്കുറിച്ച് പ്രശസ്ത കഥാകൃത്ത് ടി. പത്മനാഭൻ ക്ലാസെടുത്തു. 10.30 - 4.30 വരെ വർക്കലയിലേക്കുള്ള അദ്ധ്യാപകരുടെ പഠനയാത്രയായിരുന്നു. 20/12/2019 വെള്ളിയാഴ്ച 9.30 - 12.30 വരെ അദ്ധ്യാപകർക്കായുള്ള പരീക്ഷയും മുല്യനിർണയവും നടത്തി. 1.30 - 4.30 വരെ സമാപനവും സർട്ടിഫിക്കറ്റ് വിതരണവും നടത്തി.

പതിനാല് ദിവസം നീണ്ടുനിന്ന റിഫ്രഷർ കോഴ്സ് വിഷയ വൈവിധ്യം കൊണ്ടും ക്ലാസ്സുകളുടെ നിലവാരം കൊണ്ടും പങ്കെടുത്ത അദ്ധ്യാപകർക്ക് ഏറെ പ്രയോജനമായിരുന്നു. ഭാഷാ ശാസ്ത്രത്തിൽ തുടങ്ങി ആരോഗ്യശാസ്ത്രത്തിൽ അവസാനിച്ചു എല്ലാ ക്ലാസുകളും മികച്ചതായിരുന്നു. അറിവും ആസ്വാദനവും അനുഭവപാഠവും പകർന്നു തരുന്നതിന് ഈ ക്ലാസുകൾക്കും അദ്ധ്യാപകർക്കും കഴിഞ്ഞു. ക്ലാസ്സുകളുടെ വൈവിധ്യവും മികവും നിലനിർത്തുന്നതിന് ഏറെ താല്പര്യം കാണിച്ച ഹ്യൂമൺ റിസോഴ്സ് ഡവലപ്മെന്റ് സെന്റർ ഡയറക്ടർ ഡോ. എസ് വി. സുധീർ സാറിനും കോഴ്സ് കോഡിനേറ്റർ ഡോ.എ. എം. ഉണ്ണികൃഷ്ണൻ സാറിനും ഓഫീസ് അഡ്മിനിസ്ട്രേറ്റർ ഹരിസാറിനും മറ്റ് എല്ലാ ഓഫീസ് സ്റ്റാഫുകൾക്കും, 67 അദ്ധ്യാപകർക്കും വേണ്ടി കോഴ്സ് കൺവീനർ എന്ന നിലയിൽ കൃതജ്ഞത രേഖപ്പെടുത്തുന്നു.

165th ORIENTATION PROGRAMME
[From 03-01-2020 to 23-01-2020]

The orientation programme began on 03-01-2020 at the UGC-HRDC, University of Kerala. The participants were given a warm welcome by Dr. S V Sudheer, Director of UGC-HRDC. After the registration and briefing, an ice breaking session was conducted in the afternoon. For the smooth conduct of the programme Dr. Gigi George, Assistant Professor, Department of Chemistry, CMS College Kottayam and Dr. Sharmila R, Assistant Professor, Department of Philosophy, Sree Sankaracharya University of Sanskrit, Kalady were selected as the conveners of the programme.

165th ORIENTATION PROGRAMME
[From 03-01-2020 to 23-01-2020]

The following resource persons discussed topics in the orientation programme: Topic 1: *Value Based Education*; Resource Person: **Dr. Dinakarlal Thavamony**. Topic 2: *Reflective Teaching*; Resource Person: **Dr. Rosamma Philip**. Topic 3: *Research Visibility for greater impact through h-index and impact factor*; Resource Person: **Dr. R. Sevukan**. Topic 4: *Health and Wellness*; Resource Person: **Dr. Usha S. Nair**. Topic 5: *Women Empowerment*; Resource Person: **Adv. Bhuvanendran Nair**. Topic 6: *Time Management*; Resource Person: **Dr. V. Reghu**. Topic 7: *Living with Diseases*; Resource Person: **Dr. Aswini Kumar S**. Topic 8: *Pesticides and residues in food and their impact*; Resource Person: **Dr. Thomas Biju Mathew**. Topic 9: *RTI*; Resource Person: **Sri. T. Manoharan Nair**. Topic 10: *Fire & Rescue services in Disaster Management*; Resource Person: **Sri. Prathap Kumar**. Topic 11: *Awareness of Indian Classical Dances*; Resource Person: **Dr. Venugopalan Nair C**. Topic 12: *Service Rules*; Resource Person: **Sri. Natesan Asary**. Topic 13:

Research Methodology; Resource Person: **Dr. Simon Thattil**. Topic 14: *The Earth*; Resource Person: **Dr. Sajin Kumar**. Topic 15: *Clean and green energy*; Resource Person: **Sri. A. V. Sathish; Nuclear**. Topic 16: *Water Resource Management*; Resource Person: **Dr. E. Shaji**. Topic 17: *Video Analysis*; Resource Person: **Dr. Theresa Susan A**. Topic 18: *Classroom Management*; Resource Person: **Dr. S. V. Sudheer**.

One day field trip was conducted on 17/01/2020 to the Kerala Legislative Assembly hall popularly known as the Niyamasabha. This was followed by a visit to the Anchuthengu Fort established by the British East India Company during 1696. The fort served as the first signaling station for ships arriving from England. The trip was generally found to be an informative and refreshing experience to the participants. As a positive gesture towards the social commitment of teachers, a sum of Rs. 10,000 was raised and was given to Regional Cancer Centre in Thiruvananthapuram.

All the participants presented their project work with the support of ICT facilities. The presentations of the participants were evaluated by Dr. Joseph Antony, Dr. Gopinath Pillai and Dr. Anirudhan T S. The course ended up with a conclusion, evaluation and a feedback session. Participants expressed their opinion about the programme and gave their appreciations, suggestions for further improvement.

A special mention, on the dedication, responsibility and enthusiasm of the Director and his entire office team to ensure the smooth conduct of the course, was made by the participants. They also expressed their special thanks to the administrative staff for their cooperative attitude to all the participants of the UGC HRDC, University of Kerala.

XXVIII REFRESHER COURSE IN ENVIRONMENTAL SCIENCES

[From 11/01/2020 To 24/01/2020]

The UGC sponsored Refresher Course in Environmental Sciences conducted by the Human Resource Development Center, University of Kerala, commenced on the forenoon of 11th January 2020. The course was attended by 68 participants from different colleges and Universities spread across the country.

Dr. S.V. Sudheer, Director, UGC-HRDC inaugurated the programme and addressed the participants after meeting them individually in the morning. He mentioned our responsibility to know our environment and the necessity to study the problems faced by the environment and find out remedy to solve the problem. He expressed his expectation that the participants will take over the message to the students as well. This was followed by an ice-breaking session which was lead by the course coordinator Dr. Sabu Joseph, Professor, Department of Environmental Sciences, University of Kerala. Dr. Vinod P, Assistant Professor, Department of Zoology, N.S.S College, Pandalam and Dr. Aruna Devi C, Assistant Professor, Department of Zoology, University College, Trivandrum were chosen as conveners for the smooth conduct of the course. It was also decided that as the course was on Environmental Sciences, each day should commence with small 'thought on environment'.

The programme covered sessions and discussions on the following topics/areas: Topic 1: *Environmental Pollutants and Polar Research*; Resource Person: **Dr. Mahesh Mohan**. Topic 2: *Coastal Regulation Zone*; Resource Person: **Dr. P. Harinarayan**, Topic 3: *Citation Network Analysis*, Resource Person: **Dr. K. Satheesh Kumar**. Topic 4: *Rocks and Minerals*; Resource Person: **Prof. S.N. Kumar**. Topic 5: *Geomatics application in Environment Management*; Resource Person: **Dr. Suresh Francis**. Topic 6: *Biodiversity Conservation Challenges*; Resource Person: **Dr. P.S Easa**. Topic 7: *Emotional Intelligence*; Resource Person: **Dr. Beela G.K**. Topic 8: *Nuclear Energy-clean and green energy*; Resource Person: **Dr. A.V Sathish**. Topic 9: *Water Management*; Resource Person: **Dr. Shaji E**. Topic 10: *Climate Change*; Resource Person: **Dr. S.K Satheesh**, Topic 11: *Kerala Service Rules*; Resource Person: **Sri. Natesan Asary**. Topic 12: *Wetlands of Kerala*; Resource Person: **Dr. D. Padmalal**, Topic 13: *Aquatic Biology, Aquatic Ecosystems*; Resource Person: **Dr. A Bijukumar**. Topic 14: *Ecology of Disaster*; Resource Person: **Dr. Kunhikrishnan**. Topic 15: *Natural Hazards*, Resource Person: **Dr. John Mathai**. Topic 16: *Sustainable Development*; Resource Person: **Dr. Renjan Mathew**. Topic 17: *Food Security and Climate Change*, Resource Person:

Dr. Suja G. Topic 18: *The Earth- its journey through space and time*; Resource Person: **Dr. Sajin Kumar.**

Just before the last technical session, there were project presentations and evaluation and the Resource persons for the sessions were Dr. Jaya D.S, Professor, Department of Environmental Sciences, University of Kerala, Trivandrum and Dr. Sabu Joseph, Professor, Department of Environmental Sciences, University of Kerala.

As part of the course, the participants went on a Half day trip to ‘Techno Park’ to visit to study the Waste Management Plant. Feedback forms were distributed and the responses were collected from the participants. While giving their feedbacks on the course, participants were unanimous on the excellent quality of the course. Representatives of participants expressed their profound gratitude to Dr. S.V Sudheer, Director, UGC-HRDC for the effective management and execution of the programme. They also thanked the entire crew of HRDC for being cordial and helpful. The programme ended with a valedictory session in which the certificates were distributed to the participants.

REFRESHER COURSE IN CURRICULUM DESIGN, IMPLEMENTATION AND LEARNING OUTCOME

[From 31.01.2020 To 13.02.2020]

The UGC-HRDC, University of Kerala, conducted the Refresher Course in Curriculum Design, Implementation and Learning Outcome from 31.01.2020 to 13.02.2020. It commenced with the registration session at 9.30am followed by the inauguration and course briefing by Dr. K. P. Vijayakumar (Course coordinator). The afternoon session was engaged by Dr. Jogy Alex who discussed ‘The Choice-Based Credit and Semester System’. The FN session on Saturday (01-02-2020) was engaged by the Director, Dr. S. V. Sudheer and we had an effective ice-breaking session. Smt. Preetha Prabhasan, Asst. Professor of English, Govt. College for Women, Thiruvananthapuram and Dr. Dileep M. R. Associate Professor in Travel and Tourism, Pazhassiraja College, Pulpally were elected as Convenors.

The following were the topics discussed: Topic 1: *Stress Management*; Resource Person: **Dr. Devika J.**, Topic 2: *Scholarly Productivity Evaluation Measures-role in Accreditation Process*; Resource Person: **Dr. K. P. Vijayakumar.** Topic 3: *Kerala Govt. Schemes and Programmes in Higher Education*; Resource Person: **Dr. Shefeeque V.** Topic 4: *Emotional Intelligence*; Resource Person: **Dr. Beela G.K.**, Topic 5: *Outcome Based Education and NAAC Accreditation*; Resource Person: **Prof. N. J. Rao and Prof. K. Rajanikanth.** Topic 6: *Curriculum Design and Development in the MOOCs Environment*; Resource Person: **Dr. V. P. Joshith.** Topic 7: *Curriculum Evaluation: Quality Benchmarks and Empirical Concerns*; Resource Person: **Dr. Musthafa.** Topic 8: *Academic and Administrative Audit for Quality Improvement*; Resource Person: **Dr. Simon Thattil.** Topic 9: *Project Presentation*, Resource Person: **Dr. Theresa Susan A.** The participants went on an enjoyable field trip to Poovar Island. The Valedictory session of the programme was held on 13.02.2020 with positive feedbacks.

TWO-DAY WORKSHOP FOR PRINCIPALS OF COLLEGES IN KERALA

[From 14.02.2020 To 15.02.2020]

The Short-Term Course in Two Day workshop for Principals of colleges in Kerala was held from 14.02.2020 to 15.02.2020 at the UGC-HRDC, University of Kerala. The programme was formally inaugurated by Dr. S. V. Sudheer, Director, UGC-HRDC, University of Kerala in his inaugural address he highlighted the crucial role of Principals as administrators in colleges. The programme provided ample opportunity to the Principals to share their **views and experiences.**

REFRESHER COURSE IN CITATION NETWORK ANALYSIS AND EXPLORATORY DATA ANALYSIS USING R

[From 18-02-2020 To 02-03-2020]

The Refresher Course in **Citation Network Analysis and Exploratory Data Analysis Using R** commenced on 18th February 2020 at the UGC-

Human Resources Development Centre, University of Kerala. Dr S.V. Sudheer, Director, HRDC, inaugurated the programme which was attended by teachers from different parts of the country. The Course co-ordinator Prof. K. Satheesh Kumar also addressed the participants highlighting the focus areas of this multidisciplinary course and its relevance. Dr. Laji and Dr. R. Sharmila are the conveners of the Programme conducted the ice breaking session ensuring the high level of participation among the teachers. Well known academicians, professional, trainers and activists made presentations on various aspects of Citation Analysis on the following days.

The following were the topics covered in the course: Topic 1: *Citation Network Analysis*; Resource Person: **Dr. K. Satheesh Kumar**. Topic 2: *Introduction to Data Analytics using - R*; Resource Person: **Dr. E. I. Abdul Sathar**. Topic 3: *Introduction to Language technologies – NLP*; Resource Person: **Dr. Rajeev R. R.** Topic 4: *Citation networks*; Resource Person: **Dr. Divya Sindhu Lekha**. Topic 5: *Introduction to Complex Networks*; Resource Person: **Dr. Kannan B.** Topic 6: *Co-author networks*; Resource Person: **Smt. Bindu N.** Topic 7: *Group Work & Hands on Activity*; Resource Person: **Prof. K. Srinivas**. Topic 8: *Spatial Data Analytics*; Resource Person: **Mr. T. Radhakrishnan**. Topic 9: *Generalised regression*; Resource Person: **Mr. Somasekharan Pillai**. Topic 10: *Applications of Complex networks*; Resource Person: **Prof. Manoj Changat**. Project Presentation of Participants were held on 29th February 2020 and all the participants presented the project report in a good manner. The participants went on an enjoyable trip to Sivagiri and legislative Assembly on 28th February 2020. Positive feedback and suggestions were given by the participants during the valedictory function.

SHORT-TERM COUSE ON RESEARCH METHODOLOGY

[From 19-02-2020 To 25-02-2020]

Seven-day short term course on Research Methodology was conducted by UGC – HRDC, University of Kerala from 19th to 25th February 2020. There were 62 participants from various colleges across the length and breadth of Kerala and one from outside

the state. The teacher participants included Assistant Professors, Associate Professors, Research Guides and teachers undergoing research.

Day 1: The registration of the course started at 9.30 am followed by a briefing given by DR. S.V. Sudheer, Professor and Director UGC- HRDC, University of Kerala about the course, which gave an insight into the topics that is going to be discussed during the entire course. The session ended at 12.30 pm. For the smooth conduct of the programme Dr. Jayarajan David D., Assistant Director, Department of Physical Education, University of Kerala and Dr. Shiny P. Laila, Assistant Professor, Department of Chemistry, University College, Trivandrum were selected as conveners respectively. The afternoon session was handled by Prof Dr. Satyanarayana on the topic ‘Identification of Research Problem’. He talked about the very basic things related to various aspects of research, hurdles that we usually face during research and the ways by which the problems could be solved.

Day 2: The Morning sessions began at 9.30 am. It was on ‘**Art of thesis writing**’ by **Dr. B. Hariharan**. He engaged the session by clarifying the doubts related to thesis writing, and discussing the common mistakes that we come across while writing the thesis. Afternoon session started at 1.30. It was by **Dr. K. Satheesh Kumar** on ‘**Citation network Analysis**’. It was a very informative one, familiarizing us with the different website available for search and the various strategies for gathering primary and secondary data.

Day 3: **Prof. K.P. Vijayakumar** from the department of library and information sciences gave an insight into ‘**literature review**’ which is an unavoidable part of every research irrespective of subject and discipline.

Day 4: The morning session commenced on 9.30 with a class on ‘**Designing Research Proposals in Science**’ by **Dr. A Biju Kumar**. Many participants of this course have given research proposals in various public sector and governmental agency for funding and most of the time the proposals are rejected. For them this session was an eyeopener, as the session gave insight into the reasons for the rejection of research proposals and how to avoid them. **Dr. Manju S. Nair**, delivered

a talk on ‘**Designing collaborative Research Proposals**’ in the afternoon session. It gave information regarding collaborative research and the various aspects of it, and how to conduct interdisciplinary research even between social science and science stream.

Day 5: The last two session of the course was handled by **Dr. Sanal Kumar S.P.** from Department of Future studies Kariyavattom. He gave an enlightening talk on ‘**Research Portal Experiences**’. The class was based on the difficulties that we face while logging into research portal and asked the participants to give valuable suggestion to improve the functioning of research portal to make it a more viable one.

The valedictory function started at 2 pm. Dr. S.V. Sudheer, Director HRDC, read the evaluation reports and feedback of the course given by all the participants. A discussion ensued and the director was free to accept all the creative and constructive suggestions made by the participants to make the coming course more effective and to improve the courses in future. At the end, certificates were issued. The seven day short term course came to an end at 3.30 pm.

166th ORIENTATION PROGRAMME

[From 03-03-2020 to 11-03-2020 and
06-08-2020 to 17-08-2020]

The 166th Orientation Programme conducted by UGC-Human Resource Development Centre, University of Kerala, Kariavattom, commenced on 03/03/2020. The programme was inaugurated by Dr. S.V. Sudheer, Director, Human Resource Development Centre. In his introductory address, he highlighted the importance of the course and made the participants aware about the need of courses like this. He spoke in detail about the various skills to be imbibed and inculcated by a teacher. The course coordinator Mr.Hari.S also addressed the gathering and explained the protocols and procedures for the programme. Dr N. K. Praveen, Assistant Professor in Chemistry NSS College, Cherthala and Ms. Bindu Joseph Arampankudiyil, Assistant Professor in English, R L V College of Music and Fine Arts, Tripunithura were elected as the convenors.

After 9 days, on 11/03.2020, the course was suspended due to the outbreak of Covid pandemic in the state. The remaining 12 days were conducted as Online Course from 06/08/2020 to 17/08/2020 All the course participants had a good rapport and effective interactions right from the beginning. Various sessions that ensured whole hearted participations created a conducive learning environment.

The following topics were covered in the programme by various resource persons: Topic 1: *Mentoring* by **Dr. Susha Janardhanan and Mrs Aroline Tom**; Topic 2: *Emotional Dimensions in Teaching Process* by **Dr. Porgio**. Topic 3: *Value Based Education* by **Dr. Dinakaral Thavamony**. Topic 4: *Water Resource Management* by **Dr. E. Shaji**. Topic 5: *Importance of Human Rights* by **Dr. C. A. Josukuty**. Topic 6: *Health and Wellness* by **Dr. Usha. S. Nair**. Topic 7: *Living with Diseases* with by **Dr. Aswini Kumar S.** Topic 8: *Reflective Teaching* by Dr. Rosamma Philip; Topic 9: *Mysteries of the Universe* by **Dr. Prince P.R.**, Topic 10: *The Earth* by **Dr. Sajin Kumar**. Topic 11: *Time Management* by **Dr. V. Reghu**; Topic 12. *Pesticides and Residues in Food and their Impact* by **Dr. Thomas Biju Mathew**. Topic 13: *Women Empowerment* by **Adv. Bhuvanendran Nair**. Topic 14: *Nuclear Energy: Clean and Green Energy*; **Sri. A. V. Sathish**. Topic 15: *Service Rules* by **Sri. Natesan Asary**. Topic 16: *Research Methodology* by **Dr. Simon Thattil**: Topic 17: *Emotional Intelligence* by **Dr. Beela G.K.** Topic 18: *E-Learning* by **Dr. A.R. Ramesh** Topic 19: *Developing MOOCs* by **Dr. K. Satheesh Kumar**. Topic 20: *Teaching Today : A Flipping Plan* by **Prof. K. Gopalakrishnan**.

The first spell of the course was highly effective and all the participants eagerly looked forward to finish the course. The second spell in online mode was quite hassle free and it could meet all the parameters expected. Submission of evaluation of the orogramme was also done in online mode. The course came to an end with an online exam. Altogether, the 166th OP has left an indelible imprint in the minds of the participants with the sturdy stuff and substance imparted.

REFRESHER COURSE IN EDUCATION AND TEACHING METHODS

[From 04.03.2020-11.03.2020 &
29.07.2020-03.08.2020]

The multidisciplinary refresher course in 'Education and Teaching Methodologies' was inaugurated on 04.03.2020 and 77 teachers participated. After registration, Prof. Sudheer SV Director of HRDC welcomed the gathering, and gave the details of the course timings and other formalities to be completed, which was followed by the selection of the convenors for the course. Dr. Arun George from Veterinary College, Mannuthi and Ms. Rosmi Lukose from Assumption College, Changanacherry were chosen as the convenors of the course respectively. This was followed by an ice-breaking session where the teachers paired up and introduced one another. The Course co-ordinator Prof. Bindu R. L. also addressed the participants highlighting the focus areas of this multidisciplinary course and its relevance.

Four sessions of one and a half hour duration were held each day. The morning session on the second day was on emotional intelligence by **Prof. Beela G K.** She asserted the need to be emotionally strong and how to develop emotional intelligence and inculcate it in our lives in an interesting session. The two sessions in the afternoon was by **Prof. Simon Thattil** on Quality Parameters in Teaching and Learning and Outcome Based Education. The session was enlightening and it helped to highlight the need for a systematic education strategy to be developed keeping in mind the changing needs in the educational sector.

The morning session on the third day, the sixth of March was on Integrated Teacher Education Programmes and their relevance as well as on Quality Concerns in Teacher Education by **Prof Anil Kumar K.** The lecture focussed on the development, contribution, importance of integrated teacher education programmes and their scope highlighting the quality concerns in the field of teacher education. On Saturday the seventh, a motivational session on Education – The Unlearning was taken by **Prasanth IAS.** It proved to be a very interesting and interactive session where the speaker shared his personal experience and his unique way of facing challenges, executing difficult tasks and

emphasized the need for collective enterprise towards improving society. The afternoon session was engaged in research and review in the HRDC library.

The rising cases of the Covid-19 pandemic greeted us on Tuesday the tenth of March. We had a variety of Sessions on that day beginning with **Prof. Achuth Sankar's** talk on Questioning the Questions, followed by **Dr. E Shaji's** sessions on Environmental Practices where he focussed on the catastrophic floods of 2018, rapid changes in weather patterns, our destructive environmental practices and the need to develop a sustainable development strategy for our sustenance and the sustenance of our planet. This was followed by an interesting session on the Mysteries of the Universe by **Dr. Prince P.R.**

The following day we had an enriching session on Common Errors preventing Logical Thinking by Rtd. DGP **Sri Jacob Punnoose** and an invigorating session on Rural education- Practises and Issues followed by which the course had to be suspended because of the alarming number of covid positive cases. The course was further conducted online after the lockdown due to Covid -19 pandemic on 29th July 2020. The concerted efforts of the Director and the sincerity of the staff of UGC HRDC in renewing the course is laudable. Without their hard work and perseverance this would not have been possible. The online sessions were indeed useful and well organised. We had hands on sessions on Online Assessment strategies and developing assignments online which was followed by our different sessions on Moodle Platform- MOOCS by **Prof. Sathish Kumar** and the programme was wound up with two sessions on E – learning by **Dr. A R Ramesh** on the third of August 2020. This was followed by online presentation of projects which were patiently evaluated by the Course co-ordinator Prof Bindu R.L. The sessions were fruitful and interactive and they helped to quell the many inhibitions regarding online teaching and learning. On the afternoon of 3rd August the Refresher Programme was concluded with the Valedictory Function presided by Prof Sudheer and Prof Bindu R. L. In spite of the challenges posed by the pandemic the HRDC very successfully completed the multidisciplinary Refresher Programme in Education.



Prof. P.P. Ajayakumar, Pro-Vice-Chancellor, delivering the valedictory address - RC in English



SIRA BOOK release organized by the Alumni Association of RC in Education



Sri. Kanayi Kunhiraman delivering a talk for the participants of RC in Women's Studies



Mrs. Sara Joseph Resourceperson, Dr. Sindhu Thulasidharan Course coordinator and Director Dr. S. V. Sudheer - RC in Women's Studies



Sri. Sreekumaran Thampi delivering a talk for the participants of RC in Malayalam



Prof. N. K. Rao handling a session for the participants of RC in Curriculum Design, Implementation and Learning Outcome



Two-day workshop for principals of Colleges in Kerala



Workshop on MOOCs, E-content Development and Open Educational Resources

**PROGRAMMES CONDUCTED
FROM DECEMBER 1987 TO MARCH 2020**

Sl. No.	Year	Number of Courses	Number of Participants
1	1987 - 1988	03	94
2	1988 - 1989	08	281
3	1989 - 1990	10	337
4	1990 - 1991	12	405
5	1991 - 1992	16	482
6	1992 - 1993	18	493
7	1993 - 1994	19	583
8	1994 - 1995	15	459
9	1995 - 1996	12	381
10	1996 - 1997	11	408
11	1997 - 1998	11	449
12	1998 - 1999	13	572
13	1999 - 2000	22	960
14	2000 - 2001	27	1104
15	2001 - 2002	28	1202
16	2002 - 2003	32	1294
17	2003 - 2004	33	1108
18	2004 - 2005	33	1296
19	2005 - 2006	36	1180
20	2006 - 2007	33	1002
21	2007 - 2008	36	1094
22	2008 - 2009	32	1104
23	2009 - 2010	34	1049
24	2010 - 2011	32	985
25	2011 - 2012	30	1093
26	2012 - 2013	27	1014
27	2013 - 2014	29	1125
28	2014 - 2015	28	1202
29	2015 - 2016	20	1022
30	2016 - 2017	22	1022
31	2017 - 2018	29	1399
32	2018 - 2019	27	1598
33	2019 - 2020	31	1895
Total		769	29,692

website: <https://www.ugchrckerala.com> or www.keralauniversity.ac.in/ugcasc

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