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Web: www.keralauniversity.ac.in/ugcasc
E-mail: hrdcunike@yahoo.com

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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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From The Editor's Desk

Greetings from HRDC- University of Kerala!

Many students migrate to foreign countries, especially in the USA, Canada and Europe, for higher studies. Most of the students seek admission to foreign Universities for better career prospects. The question is why these students consider foreign universities are better than Indian universities. In the age of globalisation, this is an important issue to examine. According to a report, India sent 202,014 students in 2018-19, the second-largest number of international students sent by any country to the US. Furthermore, the number of international students in the US set an all-time high in the 2018-19 academic year, with more than one million international students.

Several factors are pointed out for the massive flow of students beyond the Indian borders. The most important one is changing in the internal scenario, which includes factors such as the technological revolution; globalization of education; global demographic trend; and most important policy changes to aggressively recruit foreign students who are preferred over the immigration of already skilled labour force because the additional revenue earned in terms of fees that significantly contributes to the cross-subsidization of education of domestic students in the developed countries. Another important reason is the domestic conditions such as widening gap in the demand for and supply of higher education; regulatory framework of the country; rising income levels; availability of education loans, the desire of the Indian middle class to migrate to developed countries; the desperation to gain access to quality education to climb up the socio-ladder. The situation was viewed by the Government of India, although a bit late, as a serious one that would affect not only the educational development of the country but also the shortage of manpower in specialised fields. It has been highlighted in the Eleventh Five-Year Plan (2007–2012) and the Twelfth Five-Year Plan (2012–17), which states that: 'Higher education in India is passing through a phase of unprecedented expansion, marked by an explosion in the volume of students, a substantial expansion in the number of institutions and a quantum jump in the level of public funding (Government of India, 2012). Of late, some state governments such as Karnataka, Andhra Pradesh, Maharashtra, Tamil Nadu, and Haryana have also got into the fray of edu-business. These states are putting efforts toward setting up 'Educational Cities' and 'Special Education Zones.' The government has also encouraged Private participation in the education sector in India in a big way. The teachers of higher education are responsible for promoting the values of Indian education by encouraging the students to stay in India. Here, the situation can be improved only by ensuring qualitative education and providing the best infrastructures in our universities and colleges.

Thanks to all for your support and cooperation.

*Professor-Director
University of Kerala*

XI Refresher Course in Statistics & Research Methods [From 24.05.2018 To 13.06.2018]

The XI Refresher Course in Statistics & Research Methods was organized by UGC-Human Resource Development Centre, University of Kerala from 24/05/2018 to 13/06/2018. 37 teachers were participated in this programme. The course started with a warm welcome and briefing of the course by Dr. S. V. Sudheer, Director, UGC-HRDC. The introduction of the participants and discussion on Project work & allotment were handled by Course Co-ordinator, Dr. C. Satheesh Kumar Mr. Laji, Assistant Professor, Govt. Arts College, Trivandrum and Ms. Maya T. Nair, Assistant Professor of Statistics, Department of Mathematics, SVR NSS College, Vazhoor were selected as convenors of the course respectively.

The following topics were covered in the programme:
Topic 1: *Reliability Modeling and Analysis*, Resource Person: **Dr. K.R Muraleedharan Nair**; Topic 2: *Stationary processes and their Power Spectral Density*, Resource Person: **Dr. S. Satheesh**; Topic 3: *On Information Measures*, Resource Person: **Dr. M. R. Muraleedharan Nair**; Topic 4: *Introduction to Time Series Analysis using R*, Resource Person: **Dr. E. I Abdul Sathar**; Topic 5: *Stress Management*, Resource Person: **Dr. Kiran Kumar**; Topic 6: *Financial Time Series*, Resource Person: **Dr. Balakrishna**; Topic 7: *Generalized linear Models using SPSS*, Resource Person: **Sri Somasekharan Pillai**; Topic 8: *Multidimensional scaling and Conjoint Analysis*, Resource Person : **Dr. G. Stephen Vincent**; Topic 9: *Design of Experiments*, Resource Person: **Dr. Yageen Thomas**; Topic 10: *Service rules for College Teachers*, Resource Person: **Prof. K.S. Jayachandran**; Topic 11: *Applications of Statistics in Industrial Quality Control*, Resource Person: **Dr. K. K. Jose**; Topic 12: *Stimulation Techniques*, Resource Person: **Dr. Manoj Chacko**; Topic 13: *Quantile based Reliability Analysis*, Resource Person: **Dr. S. M. Sunoj**; Topic 14: *A Distribution with Gaps in its Support*, Resource Person: **Dr. E. Sandhya**; Topic 15: *Stochastic Modeling*, Resource Person: **Dr. G. Arivarignan**; Topic 16: *Transmuted Distributions*, Resource Person: **Dr. K. Jayakumar**; Topic 17:

Introduction to Outliers and its Applications, Resource Person: **Dr. Senthamarai Kannan**; Topic 18: *Quantile based Reliability Analysis*, Resource Person: **Dr. P.G. Sankaran**; Topic 19: *Computational Probability and Phase type Distribution*, Resource Person: **Dr. M. Manoharan**; Topic 20: *Statistics and Machine Learning Algorithms*, Resource Person: **Prof. K. Kalyanaraman**; Topic 21: *API Score*, Resource Person: **Dr. S. V. Sudheer**, Director UGC-HRDC; Topic 22: *LATEX*, Resource Person: **Dr. P. Remesh Kumar**.

A one day trip to Zoo, Museum & Travancore Mall at Chakai on 6th June, 2018 was organized which was enjoyable. It created a feeling of oneness. All the participants presented their project work with the help of power point slides. The feedback on the course taken from the participants testified to the fact that the care and the interest shown by the Director, Dr. S. V. Sudheer made the participants feel at home throughout the course. They gave their suggestions for further improvement. They placed on record their gratitude for the course co-ordinator who had been very co-operative and supportive for the smooth conduct of the programme. The course came to a successful culmination on 13.06.2018 with a valedictory function.

XVI Refresher Course in Physical Education [From 29-05-2018 to 18-06-2018]

The XVI Refresher Course in Physical Education was conducted by UGC-Human Resource Development Centre, University of Kerala from 29-05-2018 to 18-06-2018. The course started with a warm welcome and briefing of the course by Dr. S. V. Sudheer, Director, UGC-HRDC. The course was co-ordinated by Dr. Usha Sujith Nair, Associate Professor, LNCPE, Kariavattom. Shri. Arun Jyothi S., Assistant Professor, Govt. College, Madappally, Vadakara, Kozhikode and Dr. Bindhu S., Assistant Professor, Sri. Vyasa NSS College, Thrissur were selected as convenors of the course respectively.

The following were the topics covered in the programme: Topic 1: *Nutrition*, Resource Person: **Dr. Mini Joseph**, Topic 2: *Career advancement scheme for college physical education teachers*, Resource Person: **Dr. Sunil Kumar**, Topic 3: *Science of stretching*, Resource Person: **Dr. M. Elayaraja**, Topic

4: *Research and Statistics*, Resource Person: **Dr. Sethu**, Topic 5: *Personality Development*, Resource Person: **Shri. Ajit W.**, Topic 6: *Physiotherapy*, Resource Person: **Mrs. Gayatri**, Topic 7: *Service rules for college teachers*, Resource Person: **Prof. K. S. Jayachandran**, Topic 8: *Badminton*, Resource Person: **Shri. Jose George**, Topic 9: *Sports Medicine*, Resource Person: **Dr. George Mathews**, Topic 10: *Bio mechanics*, Resource Person: **Dr. Sadanandan**, Topic 11: *Stress Management*, Resource Person: **Dr. Kiran Kumar**, Topic 12: *Sports Ayurveda*, Resource Person: **Dr. C. S. Kannadas**, Topic 13: *Swimming*, Resource Person: **Shri. Madhu**, Topic 14: *Posture*, Resource Person: **Dr. K.V.K. Reddy**, Topic 15: *Yoga and Health*, Resource Person: **Dr. Bindu**, Topic 16: *Sports Psychology*, Resource Person: **Dr. Anil R.**, Topic 17: *Sports Psychology*, Resource Person: **Dr. Sureshkutty**, Topic 18: *Athletics*, Resource Person: **Shri. Gopalakrishnan Pillai**, Topic 19: *Management of Physical Education Departments in Colleges*, Resource Person: **Dr. K. Jayakumar**, Topic 20: *Exercise Physiology*, Resource Person: **Dr. Usha S. Nair**.

Practical sessions on swimming and aerobics were conducted. Visit to Lakshmi Bai National College for Physical Education and Green Field Stadium were memorable experience to all participants. A one day field trip to Poovar was organized which was enjoyable. It created a feeling of oneness. All the participants presented their project work with the help of power point slides. The presentation was evaluated by Dr. Jayakumar and Dr. Biju Kumar. The feedback strategies was good enough to elicit appropriate response. Overall the course provided new thoughts, new insights and jogged through old memories. The knowledge gained from the course will definitely help the participants in their future strides. The course came to a successful culmination on 18.06.2018 with evaluation and feedback session followed by valedictory function in which Dr. S. V. Sudheer, Director, UGC-HRDC distributed the course certificate to the participants. The administrative, managerial skills and prudence of Dr. Sudheer will be remembered by all. The participants thanked for the efforts and cooperation he and his team had extended throughout the course.

158TH ORIENTATION PROGRAMME [From 20-06-2018 to 17-07-2018]

The 158th Orientation Programme began on 20-06-2018 at the UGC-HRDC, University of Kerala. There were 86 participants for the programme and were given a warm welcome by Dr. S. V. Sudheer, Director, UGC-HRDC, University of Kerala. They were briefed on the course content and the expected outcome of the programme. The programme was formally inaugurated after the briefing. The afternoon session was an ice-breaking session which was led by Ms. Aroline K. Tom, Asst. Professor of Loyola College of Social Sciences, Trivandrum. For the smooth conduct of the programme, Ms. Francina P. X., Asst. Professor, Department of Social Work, Loyola College of Social Sciences, Trivandrum and Dr. Sajith Kurian, Asst. Professor, Department of Chemistry, Mar Ivanios College, Trivandrum were selected as the convenors of the programme.

The following topics were covered in the programme. Topic 1: *Ice breaking & Communication Skills*, Resource Person: **Mrs. Aroline K. Tom**; Topic 2: *Classroom Communication Techniques*, Resource Person: **Dr. G. Porgio**; Topic 3: *Indian Arctic Expedition - An experience sharing*, Resource Person **Dr. A.A. Mohamed Hatha**; Topic 4: *MOOCs Moodle* Resource Person: **Dr. K. Satheesh Kumar**; Topic 5: *Women Empowerment and related laws*, Resource Person: **Adv. Bhuvanendran Nair**; Topic 6: *Water Resource Management*, Resource Person: **Dr. E. Shaji**; Topic 7: *Reflective Teaching*, Resource Person: **Dr. Rosamma Philip**; Topic 8: *Health & Wellness*, Resource Person: **Dr. Usha S. Nair**; Topic 9: *Living with Diseases*, Resource Person: **Dr. Aswini Kumar S.**; Topic 10: *MOOCs Moodle*, Resource Person: **Dr. K. Satheesh Kumar**; Topic 11: *Mysteries of the Universe*, Resource Person: **Dr. Prince P.R.**; Topic 12: *Pesticides and residues in food and their impact*, Resource Person: **Dr. Thomas Biju Mathew**; Topic 13: *Communicative English*, Resource Person: **Prof. K. Gopalakrishnan**; Topic 14: *Edutainment or Infotainment: New mode of teaching & learning*, Resource Person: **Adv. S. Jithesh**; Topic 15: *Interpersonal Relationship*, Resource Person: **Dr. Justin Padamadan**; Topic 16: *Time Management*, Resource Person: **Dr. V. Reghu**; Topic 17: *Fire & Rescue services in Disaster Management*, Resource

Person: **Sri. Prathap Kumar**; Topic 18: *Stress Management*, Resource Person: **Dr. Kiran Kumar**; Topic 19: *Nuclear: Clean and green energy*, Resource Person: **Sri. A. V. Sathish**; Topic 20: *GST*, Resource Person: **Dr. N. Ramalingam**; Topic 21: *Service Rules*, Resource Person: **Sri. Natesan Asary**; Topic 22: *Digital Learning*, Resource Person: **Dr. S. Senthilnathan**; Topic 23: *Music & Life*, Resource Person: **Dr. Arundhathi B**; Topic 24: *Video Analysis*, Resource Person: **Dr. Theresa Susan A**; Topic 25: *Value Based Education*, Resource Person: **Dr. Dinakaral Thavamony**.

A One day field trip to Anjuthengu, Perumathura Bridge, Kappil, Vakkom and Varkala was arranged which created a feeling of oneness among the participants. All the participants presented their project work with the help of power point slides. The presentations were evaluated by Dr. P.P Ajayakumar, Dr. A. Ganga Prasad, Dr. Resia Beegam and Dr. Anirudhan. The course was successfully completed on 17-07-2018 with the evaluation session followed by a valedictory function in which Dr. S. V. Sudheer, Director, UGC-HRDC distributed the certificates to the participants.

The batch planted a sapling of *Jambul* on 17th morning along with the Director of HRDC. After the valedictory function and lunch, representatives of the batch along with director visited **Regional Cancer Centre for handing over fund of Rs.16,100/-** which was collected during the course. This amount was handed over to Mr. Jayalal, Kanivu Cancer Charitable Society, RCC Campus for supplying food for cancer patients.

Refresher Course in Higher Education & Women Managers [From 26-06-2018 to 16-07-2018]

The Refresher Course in Higher Education & Women Managers was organized by UGC-Human Resource Development Centre, University of Kerala from 26.06.2018 to 16.07.2018. The course started with a warm welcome and briefing of the course by Dr. S. V. Sudheer, Director, UGC-HRDC. Dr. Bushra Beegum, Asst. Professor, Dept. of Sociology, University of Kerala and Dr. Vinitha Mohan, Asst. Professor, Dept. of Philosophy, HHMSPBNSS College for Women,

Neeramankara, Trivandrum were selected as the Convenors of the course respectively.

The following were the topics covered in the programme. Topic 1: *Women in Higher Education Management*, Resource Person: **Dr. Jacob John Kattakayam**, Topic 2: *Women & Higher education*, Resource Person: **Dr. Sumathy M.**, Topic 3: *Self-Empowerment*, Resource Person: **Mrs. Deena Balakrishnan**, Topic 4: *Team Building and Organisational Effectiveness*, Resource Person: **Dr. Sajeev**, Topic 5: *Driving Innovation in Digital age- the "SHE" Factor*, Resource Person: **Dr. Sajna Ibrahim**, Topic 6: *Personal Effectiveness*, Resource Person: **Dr. Razeena Padmam**, Topic 7: *Life Skill*, Resource Person: **Dr. Baby Shari**, Topic 8: *Health and Wellness*, Resource Person: **Dr. Usha S. Nair**, Topic 9: *Communication & Presentation Skill*, Resource Person: **Dr. R. Jayasree**, Topic 10: *Higher Education among disadvantageous groups*, Resource Person: **Dr. Irudaya Rajan**, Topic 11: *Transactional Analysis*, Resource Person: **Dr. Jose Ebenezer**, Topic 12: *Women Empowerment*, Resource Person: **Adv. Bhuvanendran Nair**, Topic 13: *Higher Education & Women Managers*, Resource Person: **Dr. D. Narayana**, Topic 14: *Stress Management*, Resource Person: **Dr. Kiran Kumar**, Topic 15: *Gender equity in higher Education: Exploring issues and possibilities*, Resource Person: **Dr. Mini Sukumar**, Topic 16: *Leadership among women*, Resource Person: **Dr. Georgee K.I.**, Topic 17: *Gender equity in higher Education: Exploring issues and possibilities*, Resource Person: **Dr. Mini Sukumar**, Topic 18: *Leadership among women*, Resource Person: **Dr. Georgee K. I.**, Topic 19: *Gender positive initiatives in campuses*, Resource Person: **Dr. Moly Kuruvilla**, Topic 20: *Inter Personal relationship*, Resource Person : **Dr. Justin Padamadan**, Topic 21: *Kerala state Higher Education Council New Initiatives and Challenges*, Resource Person: **Dr. Rajan Varghese**, Topic 22: *Gender positive initiatives in campuses*, Resource Person: **Dr. Moly Kuruvilla**, Topic 23: *Putting Women in the helm of affairs Women in Leadership Positions in Institutions of Higher Education*, Resource Person: **Dr. Anita Ravisankar**.

The feedback taken from the participants reflected the fact that the course was highly successful. Special mention was made of the whole hearted dedication,

responsibility and timely help from the Director, Dr. S. V. Sudheer and Course Co-ordinator. Dr. K. G. Gopchandran ensured the smooth conduct of the course. The extremely co-operative and amicable attitude of the staff of the UGC-HRDC was also sincerely acknowledged by the participants.

Short-Term Course in Disaster Management [From 18-07-2018 to 25-07-2018]

The Short-Term Course in Disaster Management was commenced on 18.07.2018. The course was attended by 44 participants belong to different disciplines from different colleges and universities of Kerala and Karnataka. Prof. S.V. Sudheer, Director, UGC-HRDC, University of Kerala welcomed the participants and inaugurated the course. The programme was successfully co-ordinated by Dr. S. N. Kumar, Department of Geology, University of Kerala.

The following topics/areas were discussed during the duration of the programme. Topic 1: *Water Crisis*, Resource Person: **Dr. E. Shaji**, Topic 2: *Introduction to Disaster Management*, Resource Person: **Dr. Thara K. G.**, Topic 3: *Epidemics as a Biological Disaster*, Resource Person: **Dr. Amar. S. Fettle**, Topic 4: *Water Crisis*, Resource Person: **Dr. Shaji E.**, Topic 5: *Web and Mobile Geospatial Application*, Resource Person: **Sri. T. Radhakrishna**, Topic 6: *Fire Rescue Services in Disaster*, Resource Person: **Sri. Prathap Kumar**, Topic 7: *Chemical Disaster*, Resource Person: **Sri. Siyad**, Topic 8: *Disaster preparedness and emergency response*, Resource Person: **Sri. M. Amal Raj**, Topic 9: *Disaster Management during Nuclear Emergency*, Resource Person: **Sri. A. V. Sathish**, Topic 10: *Earthquakes and Volcanoes*, Resource Person: **Dr. Benno Joseph**, Topic 11: *Emergency Medical Services during Disasters*, Resource Person: **Dr. Santhosh Kumar S.**, Topic 12: *Disaster Management in Tourism – Issues and Implications*, Resource Person: *Dr. B. Vijayakumar*, Topic 13: *Earth-its journey through space and time*, Resource Person: **Dr. Sajin Kumar K. S.**, Topic 14: *Disaster Mapping*, Resource Person: **Dr. Satheesh Gopi**, Topic 15: *Statistics and Risk Analysis of Disaster*, Resource Person: **Sri. Somasekharan**, Topic 16: *Fire Rescue*

Services in Disaster, Resource Person: **Sri. Prathap Kumar**.

The course was successfully completed on 25.07.2018 with evaluation and feedback sessions in which the participants shared their experiences and sought suggestions for further improvement.

Refresher Course in Summer School [From 23-07-2018 to 13-08-2018]

The Refresher Course in Summer School was successfully conducted by the UGC-HRDC, University of Kerala from 23.07.2018 to 13.08.2018. The participants were cordially welcomed and made it a feel at home by the Director, Dr. S. V. Sudheer. In his enlightening interaction, Dr. S. V. Sudheer stressed on the objectives of the 21 day programme to enrich the participants with innovative teaching and personality development skills, to equip them to face the challenges in the field effectively and efficiently. The ice breaking session was productively handled by Mrs. Aroline. K. Tom. Dr. Sreekanth J. Varma, Assistant Professor of Physics, S. D. College, Alappuzha and Ms. Jessykutty M. Jose, Assistant Professor of English, M.G. College, Thiruvananthapuram was selected as convenors of the course.

The following topics were prolifically discussed during the programme: Topic 1: *Research Methodology*, Resource Person: **Dr. Simon Thattil**, Topic 2: *Women Empowerment*, Resource Person: **Adv. Bhuvanendran Nair**, Topic 3: *Personal Effectiveness*, Resource Person: **Dr. Razeena Padmam**, Topic 4 : *Scientific Aspects of Astrology and Vasthu*, Resource Person: **Sri. B. Ajay Kumar**, Topic 5: *Transactional Analysis*, Resource Person: **Sri. Jose Ebenezer**, Topic 6: *MOOC's Moodle*, Resource Person: **Dr. K. Satheesh Kumar**, Topic 7: *Classroom Communication*, Resource Person: **Dr. G. Porgio**, Topic 8: *Water Resource Management*, Resource Person: **Dr. E. Shaji**, Topic 9: *Living with Diseases*, Resource Person: **Dr. Aswini Kumar S**, Topic 10: *Humour in Teaching*, Resource Person: **Dr. Joju John**, Topic 11: *RTI*, Resource Person: **Sri. Manoharan Nair**, Topic 12: *21st Century Learners and 20th Century Teachers*, Resource Person: **Dr. V. M. Santhosh**, Topic 13: *Epidemics as a Biological*

Disaster, Resource Person: **Dr. Amar S. Fettle**, Topic 14: *Communication and Presentation Skills*, Resource Person: **Dr. R. Jayasree**, Topic 15: *Service Rules*, Resource Person: **Sri. Natesan Asary**, Topic 16: *GST*, Resource Person: **Dr. N. Ramalingam**, Topic 17: *Nuclear: Clean and Green Energy*, Resource Person: **Sri. A. V. Sathish**, Topic 18: *Self-Empowerment*, Resource Person: **Ms. Deena Balakrishnan**, Topic 19: *Time Management*, Resource Person: **Director, Dr. S. V. Sudheer**, Topic 20: *Indian Arctic Expedition - An Experience Sharing*, Resource Person: **Dr. Mohamed Hatha**, Topic 21: *Microbial Forensics- An Emerging Area of Research*, Resource Person: **Dr. Mohamed Hatha**. Sessions on 22, 23, 24, 25 and 26: Project Presentations and Evaluations; Resource Persons: **Dr. P. P. Ajaykumar, Dr. Resia Beegam, Dr. Biju Kumar and Prof. Joseph Antony**.

The participants had a thoroughly enjoyable trip to Varkala beach, a stunning stretch of sand renowned for its impeccable beauty. It was filled with fun, frolic and merriment. The trip cemented the rapport that the group had developed from the commencement of the programme itself. The course came to its fruitful culmination on 13.08.2018. The participants expressed their positive outlook about the course through the evaluation, conducted through feedback questionnaires and interactive deliberations. They were eloquent in expressing their deep felt gratitude towards the unstinted support and down-to-earth attitude of Dr. S. V. Sudheer and his whole hearted efforts in pooling in excellent resource persons for the course. The hospitality, sincerity and amiability of the staff of UGC-HRDC were very much appreciated. The 21 day Programme was an intellectually invigorating experience to all.

Refresher Course in Commerce and Management
[From 27.07.2018 to 16.08.2018]

The Refresher Course in Commerce and Management duly began on 27.07.2018 at the UGC-HRDC, University of Kerala. The Professor cum Director of the institute Dr. S V Sudheer welcomed all the participants. He inaugurated the course emphasizing

the need for enhancing the quality of commerce education in the present and coming days. He also highlighted the programme objectives of 33rd Refresher course in Commerce and Management. In continuation, Dr. K S Chandrasekhar, the course co-ordinator briefed the participants the details of the resource persons and the sessions to be handled by them. He wisely used the opportunity to welcome each one and conducted the ice-breaking session. Number of participants were 58 in the programme, which included 43 female teachers and 15 male teachers across all parts of Kerala. One participant was from Mangalore University. Dr. T. P Vijumon, Assistant Professor of Sree Narayana College, Chengannur and Smt. Sreeja A, Assistant Professor, NSS College, Cherthala were selected as the convenors of the programme.

The Topics discussed in the course during the entire period were as follows: Topic 1: *Confidence Building*, Resource Person: **Mr. Praveen S. K.** Topic 2: *Goods and Service Tax*, Resource Person: **Dr. N. Ramalingam**. Topic 3: *Emotional Intelligence*, Resource Person: **Dr. Santhosh Thampi**. Topic 4: *Women Empowerment*, Resource Person: **Adv. Bhuvanendran Nair**. Topic 5: *Service conditions and rules*, Resource Person: **Prof. K. S. Jayachandran**, Topic 6: *Insolvency Issues*, Resource Person: **Dr. G. Raju**. Topic 7: *Innovation and Entrepreneurship*, Resource Person: **Dr. K. C. Chandrasekharan Nair**. Topic 8: *SPSS in Research*, Resource Person: **Dr. P. N. Harikumar**. Topic 9 : *Corporate Governance*, Resource Person: **Dr. E. K. Sathesh**. Topic 10: *International Finance*, Resource Person: **Dr. S. Madhavan**. Topic 11: *Teaching Commerce and Management through Games*, Resource Person: **Dr. M Senthil**. Topic 12: *Business Model*, Resource Person: **Dr. P. C. Thomas**. Topic 13: *Trends in Tourism and Hospitality*, Resource Person: **Dr. R. Kannan**. Topic 14: *Framing of Questionnaires*, Resource Person: **Dr. S. Kevin**. Topic 15: *Time Management*, Resource Person: **Dr. S. V. Sudheer**. Topic 16: *Banking Sector Reforms*, Resource Person: **Dr. R. Vasanthagopal**. Topic 17: *Block Chain*, Resource Person: **Dr. S. Santhosh Kumar**. Topic 18: *Teaching Methods for Commerce and Management Studies*, Resource Person: **Dr Simon Thattil**.

The field trip to Vakkom, Anchuthengu and places in and around Varkala was really a refreshing experience in the midst of tight schedules. It has given a rain tourism experience to all members. All the participants had made presentations as part of the course. There was an Onam celebration in the morning of the closing day with Onam songs supplemented by a beautiful Pookkalam. All the participants were actively immersed in all sections which articulated the programme a great success. It was followed by an evaluation and feedback session. It was concluded that the programme has given a wide exposure to the participants and will be an asset to the rest of their career. The whole hearted co-operation and administration of the Director and sincere and timely involvement of staff of ASC-HRDC were specially mentioned. The unique support and lead role of programme co-ordinator was highly appreciated. The programme came to a successful end on 16.08.2018 with a valedictory function.

159th ORIENTATION PROGRAMME [From 04.09.2018 to 01.10.2018]

The 159th Orientation Programme was held at the UGC–Human Resource Development Centre, University of Kerala from 04.09.2018 to 01.10.2018. The course was attended by 66 participants belong to different disciplines from different colleges and universities of Kerala. The course was inaugurated by Dr. S. V. Sudheer, Director, UGC–Human Resource Development Centre. In his inaugural address, Dr. S V Sudheer endorsed the significance of Orientation Programme for teachers. He emphasised the importance of class room techniques and he motivated the participants. The ice breaking session was led by the Mrs. Aroline K Tom. Dr. J Mahil Kamalam, Department of Commerce, Women’s Christian College, Nagercoil and Dr. Ramakrishnan S, Department of Chemistry, Sacred Heart College (Autonomous) Thevara, Ernakulam were selected as the conveners of the Orientation Programme.

The following topics were discussed during the different sessions of the programme: Topic 1: *Value based Education*, Resource Person: **Dr. Dinakarlal Thavamony**, Topic 2: *Water Resource Management*, Resource Person: **Dr. E. Shaji**, Topic 3:

Transactional Analysis, Resource Person: **Sri Jose B Ebenezer**, Topic 4: *Research Methodology*, Resource Person: **Dr. Simon Thattil**, Topic 5: *MOOCs Moodle*, Resource Person: **Dr. K. Satheesh Kumar**, Topic 6 : *Classroom Communication Techniques*, Resource Person: **Dr. G. Porgio**, Topic 7: *Time Management*, Resource Person: **Dr. V. Reghu**, Topic 8: *Reflective Teaching*, Resource Person: **Dr. Rosamma Philip**, Topic 9: *Women Empowerment*, Resource Person: **Adv. Bhuvanendran Nair**, Topic 10: *Pesticides and residues in food and their impact*, Resource Person: **Dr. Thomas Biju Mathew**, Topic 11: *Communicative English*, Resource Person: **Prof. K. Gopalakrishnan**, Topic 12: *RTI*, Resource Person: **Sri. T. Manoharan Nair**, Topic 13: *Disaster Management*, Resource Person: **Dr. K. G. Thara**, Topic 14: *Service Rules*, Resource Person: **Sri. Natesan Asary**, Topic 15: *Fire and Rescue services in Disaster Management*, Resource Person: **Sri. Prathap Kumar**, Topic 16: *Living with Diseases*, Resource Person: **Dr. Aswini Kumar S.**, Topic 17: *Stress Management*, Resource Person: **Ms. Anu**, Topic 18: *Interpersonal Relationship*, Resource Person: **Dr. Justin Padamadan**, Topic 19: *Nuclear Energy*, Resource Person: **Dr. A. V. Sathish**, Topic 20: *GST*, Resource Person: **Dr. N. Ramalingam**, Topic 21: *Different schemes on Kerala State Higher Education Council*, Resource Person: **Mr. Shafeeque. V**, Topic 22: *Attitude makes all the difference*, Resource Person: **Dr. V. M. Santhosh**. Topic 23: *Health and Wellness*, Resource Person: **Dr. Usha S. Nair**. Topic 24: *Video Analysis*, Resource Person: **Dr. Theresa Susan**. Microteaching Sessions were conducted. Last sessions of the course were project presentation by the participants. **Dr. Ganga Prasad, Dr. Resia Beegam and Dr. V. Biju** evaluated the presentations.

A feedback questionnaire on various aspects of the programme was distributed to the participants. All the participants unanimously indicated that the Orientation programme was beneficial to them, in all respects. The participants appreciated the infrastructure facility of the UGC-HRDC, whole heartedly. They expressed their deep sense of gratitude towards Dr. S. V. Sudheer, Director, UGC - Human Resource Development Centre, for his personnel interest and valuable advices.

All the participants expressed their gratitude to the office staff for their ungrudging help. The programme concluded on 01.10.2018. The co-ordinator, Dr. S. V. Sudheer delivered the valedictory address.

XXII Refresher Course in Life Sciences [From 06.09.2018 to 26.09.2018]

The XXII Refresher course in Life Sciences began on 06-09-2018 at the UGC-HRDC, University of Kerala. Dr. S. V. Sudheer, Director, UGC-HRDC delivered a warm welcome speech to the participants. Dr. P. M. Radhamany Professor & Former Head of the Department of Botany, University of Kerala the course co-ordinator addressed the participants and briefed the course details followed by the ice-breaking session. Dr. Aruna Devi. C, Assistant Professor, Department of Zoology, University College & Sri. Mahesh. S, Assistant Professor, Department of Botany, Christian College, Kattakada were selected as the Conveners.

The following technical sessions for theory & practical's were held during the course of the 21 days. **Dr. K. Padmakumar** - *Harmful Algae and Food Poisoning*, **Dr. S. C Joshi** - *Biodiversity Conservation, Kerala Scenario*, **Prof. K. S. Jayachandran** - *Service rules for College Teachers*, **Dr. T. R. Santosh Kumar** - *Green Fluorescent Protein - Applications in Biology*, **Dr. Iype Joseph** - *Rodent Transmitted Infections*, **Prof. Ashalatha. S. Nair** - *Instrumentation at SICC*, followed by familiarization of all the equipment's there. **Dr. C. A. Jayaprakash** - *Eco-friendly techniques in insect pest management*, **Dr. Maya Nandakumar** - *Molecular Biology*, **Dr. Satheesh Kumar** - *Citation Network Analysis*, followed by an on hands session on the same, **Dr. S. N. Kumar** - *Rocks & Minerals of Kerala*, followed by visit to the Geology Department, University of Kerala, **Dr. Sabulal** - *Basic Natural Product Chemistry & Application of Natural Product Chemistry*, **Dr. K. V. Radhakrishnan** - *Hymn for Herbs, Searching for Panaceas, from Western Ghats*, **Dr. Krishnakumar. B** - *Translational Research*, **Dr. A. Bijukumar** - *United Nations Sustainable Development Goals: New Biology & Role of Biologists*, **Dr. Nandakumar Kalarikkal** - *Novel Nanostructured materials for*

Biomedical Applications, **Dr. Kurien Joseph** - *Biostatistics & SPSS package*, **Dr. S. V. Sudheer** - *Time Management*, **Dr. Kiran Kumar** - *Stress Management*, **Dr. Subhash Peter** - *Innovative Teaching in Biology & Dr. Rubin Jose* - *Bioinformatics*.

As part of the program a one day field and lab visit was organized to JNTBGRI, Palode. The program concluded on 26-09-2018, afternoon with an evaluation & feedback session followed by the valedictory function in which the participants expressed their views about the good conduct of the programme and administration and also gave valuable suggestions for further improvement of the programme.

Refresher Course in English Language & Modern Literature [From 05.10.2018 To 26.10.2018]

The UGC sponsored Refresher Course in English Language & Modern Literature was held from 5th October to 26th October 2018. Dr. S. V. Sudheer, Director, UGC – HRDC, introduced the course to the participants. In his inaugural address he briefed about the aims, objectives, and overview of the programme. 65 Teachers were participated in this programme. The Co-ordinator of the course was Prof. P.P. Ajayakumar Department of English, SDE, University of Kerala. Dr. Janatha Kumari Asst. Professor, Department of English, Sree Ayyappa College for Women, Chunkankadai and Mr. Sreekumar, Asst. Professor, Department of English, Maharaja's College, Ernakulam were the conveners of the programme.

The following topics were covered in the programme. Topic 1: *Learning Style : The Student Factor*, Resource Person: **Dr. Lal C.A**; Topic 2: *Visual Culture Studies*, Resource Person: **Dr. C.S Jayaraman**; Topic 3: *Painting and Modern Literature*, Resource Person: **Dr. C.S. Jayaraman** Topics 4: *Theorizing Everyday Resistance*, Resource Person: **Dr. Swapna Gopinath**; Topic 5: *Modernity in Context*, Resource Person: **Dr. P.P. Raveendran**; Topic 6: *Post Modern Malayalam Poetry*, Resource Person: **Dr. Sreehari A.C**; Topic 7: *'STEM' The Humanities and English*, Resource Person: **Prof. P. Vijayakumar**; Topic 8: *Contemporary Women*

Writing : Meet the Author, Resource Person: **Dr. Chandrika Balan**; Topic 9: *Transaction Analysis*, Resource Person: **Sri Jose Ebenezer**; Topic 10: *Technology Enhanced ELT*, Resource Person: **Dr. Pradeep Xavier**; Topic 11: *New Historicism & Modern Literature*, Resource Person: **Dr. Joseph Albert**; Topic 12: *Conceptualising Interdisciplinary*, Resource Person: **Dr. Saji Mathew**; Topic 13: *Kerala Service Rules*, Resource Person: **Sri. Natesan Asary**; Topic 14: *Language & Culture in Transit : Migration and Border-Crossing in Modern Literature*, Resource Person: **Prof. Dr. Lata Marina Varghese**; Topic 15: *Derrida & Deconstruction: Myth Literature & Deconstruction*, Resource Person: **Dr. Joseph Doreiraj**; Topic 16: *Women Empowerment*, Resource Person: **Adv. Bhuvanendran Nair**; Topic 17: *Pedagogy at the Tertiary Level : An Introduction*, Resource Person: **Dr. Sherif K.M**; Topic 18: *21st century imagination – The Architecturer*, Resource Person: **Prof. Gopalakrishnan**; Topic 19: *Presentation of Project Work*, Resource Person: **Dr. C. Gopinathan Pillai**; Topic 20: *Presentation of Project Work*, Resource Person: **Dr. Sajeev Rose**; Topic 21: *Presentation of Project Work*, Resource Person: **Dr. P.P. Ajayakumar**.

The project presentations by the participants were held on 22nd respectively. The Participants were interested in attending the erudite lecture at the Senate Chamber, Palayam campus on 10th October, 2018 at 2.00pm. With the help of staff of UGC-HRDC, the programme would not have achieved the aims. They were appreciated by all the participants for their efforts and hospitality.

Refresher Course in Human Rights [From 08.10.2018 to 29.10.2018]

The Refresher Course in Human Rights was conducted by UGC-HRDC from 08.10.2018 to 29.10.2018. The co-ordinator of the course was Dr. Joseph Antony. Mr. Pradeep Kumar K., Assistant Professor, Department of Political Science, Govt. College, Attingal and Dr. Priya P., Assistant Professor, Department of History, Govt. Arts and Science College,

Calicut were elected as the convenor of the course respectively.

The Topics discussed in the course during the entire period were as follows: Topic 1: *HR and Indian Constitution*, Resource Person: **Prof. N. K. Jayakumar**, Topic 2: *Introduction to HR*, Resource Person: **Dr. Josukutty C. A.**, Topic 3: *Transaction Analysis*, Resource Person: **Sri Jose Ebenzer**, Topic 4: *Stress Management*, Resource Person: **Dr. Kiran Kumar**, Topic 5: *Human Rights of older people*, Resource Person: **Prof. Jacob John Kattakayam**, Topic 6: *Citation Network Analysis : A Systematic method of literature review computer lab*, Resource Person: **Dr. Satheesh Kumar**, Topic 7: *Transgenders and Queer Rights*, Resource Person: **Dr. Muraleedharan Nair Tharayil**, Topic 8: *Democracy & HR*, Resource Person: **Prof. Rajaram Tholpadi**, Topic 9: *Adivasi and Land*, Resource Person: **Smt. C.K Janu**, Topic 10: *HR & Women*, Resource Person: **Adv. Bhuvanendran Nair**, Topic 11: *Problems of Transgender*, Resource Person: **Surya Ishan**, Topic 12: *Water & Water Rights*, Resource Person: **Dr. E. Shaji**, Topic 13: *Palestinian Struggle for HR*, Resource Person: *Dr. Sajad Ibrahim*, Topic 14: *HR in Constitutional Perspective*, Resource Person: **Justice B. Kamal Pasha**, Topic 15: *Civil Laws*, Resource Person: **Prof. Bismi Gopalakrishnan**, Topic 16: *GST*, Resource Person: **Dr. N. Ramalingam**, Topic 17: *Kerala Service Rules*, Resource Person: *Sri. Natesan Asary*, Topic 18: *War & Human Rights*, Resource Person: *Dr. Shaji Varkey*, Topic 19: *Rights of persons with disability*, Resource Person: **Dr. Manju S. Nair**, Topic 20: *Archaeological Analysis of HR*, Resource Person: **Mr. Sunny M. Kapikkad**, Topic 21: *HR in multicultural societies*, Resource Person: **Prof. G. Gopakumar**.

All the participants unanimously indicated that the Refresher Course was beneficial to them in all respects. The course came to a conclusion with evaluation and feedback session. The participants specially mentioned the dedication, responsibility and enthusiasm of Dr. S. V. Sudheer which ensured the smooth conduct of the course. The extremely co-operation and sincere and timely movement of staff members of UGC-HRDC were specially mentioned.

**XXXII Refresher Course in Materials Science
[From 30.10.2018 to 21.11.2018]**

The course started on 30.10.2018, with an informal introduction of 70 Participants from various colleges and universities under the coordination of Prof. T. S. Anirudhan, Department of Chemistry, University of Kerala. The course was designed as an interdisciplinary one useful for both Physics and Chemistry teachers.

The special lectures from various research topics on material Sciences were delivered by the following scientists; **Dr. S. Anantha Kumar** on *Functional Materials for Climatic Change*; **Dr. Sibi K. S.** on *Fuel Cells*, **Dr. K. G. Gopchandran** on *nano scale materials*, **Dr. C. Gowri**, on *Electrochemical Energy Systems*, **Prof. Kuruvila Joseph** on *Nano materials for space applied ions*, **Dr. Honey John**, on *Polymer Nano composites*, **Dr. P. S. Anilkumar**, on *Photo electron Spectroscopy*, **Dr. Bhoje Gowd** on *nano block polymers*, **Dr. R. S. Jayasree**, on *nano materials on Biomedical applications*, **Dr. Umesh R Kadhane** on *materials on atomic levels*, **Dr. V. P. N. Nampootheri**, on *materials for photonics applications*, **Dr. S. Sugunan** on *Spectroscopy*, **Dr. C. Vijayan** on *Nano photonics*, **Dr. S. Narayana Kalkura** on *Bio mimetic materials*, **Dr. Surendran** on *Silicon electronics*, **Dr. K.P. Vijayakumar** on *Eco-friendly materials* and **Dr. Satheesh**, on *Network Analysis*. Other than these scientific lectures there were some special lectures, **Sri. K. Natesan Asary**, on *Kerala Government Services Rules*, **Dr. Jose Ebenezer** on *Transactional Analysis*. A special session on *Time Management* was given by **Prof. S. V. Sudheer**, Director of Academic Staff College. In the last 3 days, the participants presented their projects for public discussion chaired by the coordinator, and at the end of the presentation there was an evaluation test for analysing the benefit of the course. The course was concluded with a formal function for certificate distribution and Feedback analysis. In that, all the participants expressed their gratitude to the Director and the course coordinator, and rest of all the staff members of the Academic staff college, Kerala University.

**Refresher Course in Malayalam Language &
Modern Literature
[From 01.11.2018 To 23.11.2018]**

The UGC sponsored Refresher Course in Malayalam Language & Modern Literature was held from 1st November to 23rd November 2018. Dr. S.V. Sudheer, Director, UGC – HRDC, introduced the course to the participants. In his inaugural address he briefed about the aims, objectives, and overview of the programme. The Co-ordinator of the course was Dr. G. Padma Rao, HOD, Department of Malayalam, University of Kerala. The Ice-breaking session of the course was handled by Dr. S.V. Sudheer and Convenors of the course. Mr. Varghese Paul, Bharata Mata College, Thrikkakara and Dr. Veena S, St. Thomas College, Ranni were the convenors of the programme.

The following topics were covered in the programme. Topic 1: *Modernisation of Language*, Resource Person: **Dr. Pavithran**, Topic 2: *News & Reality-falling down in Kerala History*, Resource Person: **Sri. P. Sugathan**, Topics 3: *Meet the Author*, Resource Person: **B. Murali**, Topics 4: *Orientalism*, Resource Person: **Sri. Kadackal A. Asharf**, Topic 5: *Post Modern Malayalam Novel*, Resource Person: **Dr. Prasanna Rajan**, Topic 6: *Kadha Prasanga Kala*, Resource Person: **Dr. Vasantha Kumar Sambashivan**, Topic 7: *Meet the Author*, Resource Person: **Dr. Chandramathi**, Topic 8: *An introduction to Creativity*, Resource Person: **Dr. K.M Venugopal**, Topic 9: *Academic Writing*, Resource Person: **Dr. P. Sreekumar**, Topic 10: *New Media*, Resource Person: **Dr. C.S. Venkidashwaran**, Topic 11: *An explanation of Malayalam Novel*, Resource Person: **Dr. P.K. Rajashekar**, Topic 12: *Music & Literature*, Resource Person: **Dr. B. Arundhathi**, Topic 13: *Writing- A declaration of freedom*, Resource Person: **Dr. V. Rajakrishnan**, Topic 14: *Feminist reading of Ramayan*, Resource Person: **Dr. P. Geetha**, Topic 15: *Mysticism*, Resource Person: **Dr. Paul Manalil**, Topic 16: *Women Empowerment*, Resource Person: **Adv. Bhuvanendran Nair**, Topic 17: *Kerala Service Rules*, Resource Person: **Sri. K. Natesan Asary**, Topic 18: *Health & Wellness*, Resource Person: **Dr. Usha. S Nair**, Topic 19: *A study about*

Mahabharatha, Resource Person: **Dr. P.S Radhakrishnan**, Topic 20: *Language of Drama*, Resource Person: **Dr. L. Thomas Kutty**, Topic 21: *Cultural Contribution of Ezhuthachan*, Resource Person: **Dr. M. Unnikrishnan**.

The project presentation by the participants were held on 19th, 21st, and 22nd respectively. Evaluation by subject experts, Resource Person: Dr. Naduvattom Gopalakrishnan, Dr. M. Unnikrishnan and Dr. G. Padma Rao. The feedback taken from the participants reflected success of the course. They also mentioned the dedication of Dr. S.V. Sudheer for the smooth conduct of the course. The participants expressed their gratitude to Dr. G. Padma Rao for the excellent conduct of the course. Without the help of staff of UG-HRDC, the programme would not have achieved the aims. They were appreciated by all the participants for their efforts and hospitality.

Short-Term Course in Research Methodology [From 22.11.2018 to 29.11.2018]

The Short-Term Course in Research Methodology was organized by UGC- Human Resource Development Centre, University of Kerala from 22.11.2018 to 29.11.2018. The course was attended by 55 participants belong to different disciplines from different colleges and universities of Kerala. Prof. S.V. Sudheer, Director, UGC-HRDC, University of Kerala welcomed the participants and inaugurated the course. Dr. Anita Mathai, Principal, Titus II Teachers College, Tiruvalla and Dr. Gireesh Kumar. B, Asst. Professor, Dept. of Zoology MSM College, Kayamkulam were selected as convenors of the programme. The programme was successfully co-ordinated by Dr. Simon Thattil, Professor, Department of Commerce, University of Kerala.

The following topics/areas were discussed during the duration of the programme: Topic 1: *Writing a research proposal for funding agencies*, Resource Person: **Dr. A. Biju Kumar**. Topic 2: *Citation Network Analysis*, Resource Person: **Dr. K. Satheesh Kumar**, Topic 3: *Data Collection, Analysis and Interpretation*, Resource Person: **Prof. T. Mallikarjunappa**. Topic 4: *Understanding Research Methodology*, Resource Person: **Prof. Ashalatha S. Nair**. Topic 5: *Literature*

Review & Reference Management Software, Resource Person: **Dr. K.P Vijayakumar**. Topic 6: *Literature Review & Reference Management Software*, Resource Person: **Dr. K.P Vijayakumar**. Topic 7: *Academic Collaborations*, Resource Person: **Dr. Manju S. Nair**. Topic 8: *Testing of Hypothesis*, Resource Person: **Dr. M. Kannan**. Topic 9: *Counselling Skills*, Resource Person: **Dr. Susha Janardhanan & Mrs. Aroline K. Tom**. The course was successfully completed on 29.11.2018 with evaluation and feedback sessions in which the participants shared their experiences and sought suggestions for further improvement.

XXVII Refresher Course in Environmental Sciences [From 28.11.2018 to 18.11.2018]

The 27th Refresher Course in Environmental Sciences was conducted by UGC-HRDC from 28th Nov, 2018 to 18th December 2018. The course was inaugurated by Dr. Ashalatha S. Nair, HoD, Dept. of Botany. She emphasized the importance of the research publications in the respective field of the current scenario of Kerala after the flood and related environmental issues. Also she encouraged the participants to develop projects in the interdisciplinary angle incorporating environmental effects and solutions. The Hon. Director Dr. S. V. Sudheer briefed the participants on the details of the course. The co-ordinator of the course was Dr. Salom Gnana Thanga. Dr. Sakthi Babu R. L., Dept. of Zoology, M. G. College, Thiruvananthapuram and Ms. Ragitha E. K., Dept. of Physics, Govt. Polytechnic College, Kalamasseri were elected as the convenor of the course respectively. Mrs. Aroline K. Tom conducted Ice-Breaking session.

The course covered various topics in Environmental Science: Topic 1 : *Ecological Foot Print*, Resource Person: **Dr. Renjan Mathew Varghese**. Topic 2: *Earth its journey through space and time*, Resource Person: **Dr. Sajin Kumar**. Topic 3: *Constructed Wetland Technology*, Resource Person: **Dr. Sabu Josep.**, Topic 4: *Citation Network Analysis*, Resource Person: **Dr. K. Satheesh Kumar**. Topic 5: *Water Resource Management*, Resource Person:

Dr. E. Shaji. Topic 6: *Floods in Kerala & Emerging challenges in Environmental Management*, Resource Person: **Dr. Srikumar Chattopadhyay.** Topic 7: *Geospatial Technology & Kerala floods*, Resource Person: **Dr. Suresh Francis.** Topic 8: *Essentials of Oceanography*, Resource Person: **Dr. Mohamed Hatha.** Topic 9: *Environmental Conservation Challenges*, Resource Person: **Dr. P. S. Easa.** Topic 10: *Environmental Auditing*, Resource Person: **Dr. Alagappa Moses,** Topic 11: *E-waste & Plastic Waste*, Resource Person: **Dr. John Prince,** Topic 12: *Conservation of Biodiversity in Western Ghats*, Resource Person: **Sri. Kunhikrishnan,** Topic 13: *Epidemics as a biological disaster*, Resource Person: **Dr. Amar S. Fettle,** Topic 14: *Nuclear energy*, Resource Person: **Sri. A. V. Sathish.** Topic 15: *Climate Change and our Local Bodies (Panchayats)*, Resource Person: **Prof. Peter Pradeep.** Topic 16: *Natural Hazards*, Resource Person: **Dr. John Mathai.** Topic 17: *Climate Change*, Resource Person: **Dr. A. Biju Kumar.** Topic 18: *Service Rules*, Resource Person: **Sri. Natesan Asary.**

The participants gave their feedback on the course in the valedictory session. They were satisfied with the course content and the way the resource persons presented their deliberations. A one day trip to Poovar was arranged which created a feeling of oneness among the participants and a feel of the environmental impacts made by human activity. All the participants presented their project work with the help of power point slides. The presentations were evaluated by Dr. Sabu Joseph and Dr. Salom Gnana Thanga. The course was successfully completed on 18.12.2018 with evaluation feedback sessions followed by a valedictory function in which participants presented their talents extra vaganza and Dr. S. V. Sudheer, Director, UGC-HRDC distributed the certificates to the participants.

Refresher Course in Summer School [From 30.11.2018 to 20.12.2018]

The Refresher Course in Summer School was conducted from 30.11.2018 to 20.12.2018. The purpose of the programme was the upgradation of knowledge and enhancement of professional skills of

teachers. The programme was formally inaugurated by Dr. S. V. Sudheer, Director, UGC-HRDC, University of Kerala. In the inaugural session he emphasized the crucial role of teachers in moulding the personality of an individual as well as in bringing about desirable changes in the field of education.

The following topics were discussed during the course: **Dr. Aswini Kumar S.:** *Living with Diseases*, **Sri. Jose Ebenezer:** *Transactional Analysis*, **Dr. Kiran Kumar:** *Stress Management*, **Dr. Susha Janardhanan & Mrs. Aroline K. Tom:** *Counselling Skills*, **Dr. K. Satheesh Kumar:** *Citation Network Analysis*, **Prof. P. Vijayakumar:** *Stories of Change as a Teacher*, **Dr. V. Reghu:** *Time Management*, **Dr. N. Ramalingam:** *GST*, **Dr. E. Shaji:** *Water Resource Management*, **Dr. Sajin Kumar:** *The Earth*, **Dr. S. V. Sudheer,** Director: *Classroom teaching*, in retrospect, **Mr. Roopesh R.:** *Yoga*, **Dr. Razeena Padmam:** *Personal Effectiveness*, **Dr. Simon Thattil:** *Research Methodology*, **Sri. Natesan Asary:** *Service Rules*, **Dr. Justin Padamadan:** *Interpersonal Relations.*

After several days of intellectual interaction, participants arranged a one day field trip in and around Trivandrum city, which everybody enjoyed. All the participants submitted their project report as part of the programme. The project presentation of participants were evaluated by Dr. Joseph Antony, Dr. Sajeev Rose, Dr. Resia Beegam & Dr. V. Biju. The programme came to a conclusion with the evaluation and feedback session in which the participants shared their experiences and sought suggestions for further improvement.

RUSA Sponsored Refresher Course in Summer School [From 01.12.2018 to 21.12.2018]

The RUSA sponsored Refresher Course in Summer School commenced on 01.12.2018 with an inaugural address by Dr. S. V. Sudheer, Director, HRDC, University of Kerala. The ice-breaking session was also handled by the Director which helped the participants to know each other. Sri. Praveen R., Assistant Professor, Sree Narayana Training College, Nedunganda, Varkala and Smt. Preetha Prabhasan, Assistant Professor, Govt. College, for Women,

Thiruvananthapuram were selected as the Convener and Co-Convener respectively.

The following Topics were discussed in the programme. Topic 1: *Transactional Analysis*, Resource Person: **Sri. Jose Ebenezer**, Topic 2: *Research Methodology*, Resource Person: **Dr. Simon Thattil**, Topic 3: *Introduction to Human Rights*, Resource Person: **Dr. C. A. Josukutty**, Topic 4: *The Earth*, Resource Person: **Dr. Sajin Kumar**, Topic 5: *RUSA schemes*, Resource Person: **Dr. Biveesh**, Topic 6: *Citation Network Analysis*, Resource Person: **Dr. K. Satheesh Kumar**, Topic 7: *Counselling skills & Counselling Practice*, Resource Person: **Dr. Susha Janardhanan**, Topic 8: *Counselling skills & Counselling Practice*, Resource Person: **Mrs. Aroline K. Tom**, Topic 9: *GST*, Resource Person: **Dr. N. Ramalingam**, Topic 10: *Service Rules*, Resource Person: **Sri. Natesan Asary**, Topic 11: *Stress Management*, Resource Person: **Dr. Kiran Kumar**, Topic 12: *Preventing allergy and asthma in our place*, Resource Person: **Dr. C. Sudheendra Ghosh**, Topic 13: *Women Empowerment*, Resource Person: **Adv. Bhuvanendran Nair**, Topic 14: *Time Management*, Resource Person: **Dr. V. Reghu**, Topic 15: *Personal effectiveness*, Resource Person: **Dr. Razeena Padmam**, Topic 16: *Water Resource Management*, Resource Person: **Dr. E. Shaji**, Topic 17: *Fire & Rescue services in Disaster Management*, Resource Person: **Sri. Prathap Kumar**, Topic 18: *Interpersonal Relations*, Resource Person: **Dr. Justin Padamadan**.

On 19th December, 2018, the participants went on a field visit to Kuthiramalika, East Fort and Veli. Sri. Praveen R, Assistant Professor, Sree Narayana Training College, Nedunganda, Varkala organized the trip and made it a memorable experience for all the participants. The Project Presentations were held on 18th, 20th and 21st of December. They were evaluated by Dr. G. Padma Rao, Dr. V.Biju and Dr. Joseph Antony. The course came to a successful culmination on 21-12-2018. All the participants gave their feedback on the course and were satisfied about the excellent conduct of the course. They expressed their gratitude to Dr. S. V. Sudheer for providing them with a brilliant and unique academic experience throughout the programme.

Short-Term Course in Women Empowerment [From 19.12.2018 to 27.12.2018]

The Short-Term Course in Research Methodology was organized by UGC- Human Resource Development Centre, University of Kerala from 19.12.2018 to 27.12.2018. The course was attended by 58 participants belong to different disciplines from different colleges and universities of Kerala. Prof. S.V. Sudheer, Director, UGC-HRDC, University of Kerala welcomed the participants and inaugurated the course. Dr. Prasad A.K, Associate Professor, Dept. of Economics University of Kerala, Kariavattom and Dr. T. Vijayalekshmi, Asst. Professor, Dept. of Tamil, University of Kerala, Karivattom were selected as convenors of the programme. The programme was successfully co-ordinated by Dr. Sindhu Thulaseedharan, Asst. Professor & HOD, Department of Law, University of Kerala.

The following topics/areas were discussed during the duration of the programme: Topic 1: *Gender Budgeting*, Resource Person: **Dr. Mridula Eapen**, Topic 2: *Mentoring*, Resource Person: **Dr. Sonny Jose**, Topic 3: *Gandhiji's view on Empowerment*, Resource Person: **Prof. N. Radhakrishnan**, Topic 4: *Micro Finance and Empowerment-Two Case Studies*, Resource Person: **Mr. R. Prabha**, Topic 5: *Living with Diseases*, Resource Person: **Dr. Aswini Kumar**, Topic 6: *Women Empowerment in Kerala – Myth & Reality*, Resource Person: **Dr. Mallika M.G.**, Topic 7: *Transaction Analysis*, Resource Person: **Sri. Jose Ebenezer**, Topic 8: *Empowerment & Women Rights*, Resource Person: **Adv. Bhuvanendran Nair**, Topic 9: *Empowerment through Decentralization*, Resource Person: **Sri. S.M. Vijayanand IAS**.

The course was successfully completed on 27.12.2018 with evaluation and feedback sessions in which the participants shared their experiences and sought suggestions for further improvements.

Short-Term Course in Gender Sensitization [From 21.12.2018 to 29.12.2018]

The Short-Term Course in Gender Sensitization was organized by UGC- Human Resource Development

Centre, University of Kerala from 21.12.2018 to 29.12.2018. The course was attended by 59 participants belong to different disciplines from different colleges and universities of Kerala. Prof. S.V. Sudheer, Director, UGC-HRDC, University of Kerala, welcomed the participants and inaugurated the course. The programme was successfully co-ordinated by Dr. Sindhu Thulaseedharan, Asst. Professor & HOD, Department of Law, University of Kerala.

The following topics/areas were discussed during the duration of the programme: Topic 1: *Contemporary Gender issues of Kerala*, Resource Person: **Dr. Mallika M.G.**, Topic 2: *Recent Women Movement in Kerala*, Resource Person: **Dr. Jayasree A. K.**, Topic 3: *Contemporary Gender issues of Kerala*, Resource Person: **Dr. Mallika M.G.**, Topic 4: *Women & Legal Rights*, Resource Person: **Adv. J. Sandhya**, Topic 5: *Meet the Activist*, Resource Person: **Mrs. Viji**, Topic 6: *Gender & Health*, Resource Person: **Dr. Sundari Ravindran**, Topic 7: *Meet the Activist*, Resource Person: **Mrs. Viji**, Topic 8: *NISA – Aims & Objectives*, Resource Person: **Mrs. V. P. Zuhara**, Topic 9: *Gender Equality Workplaces & Educational Institution*, Resource Person: **Dr. B. Sandhya IPS**, Topic 10: *Kudumbashree Empowerment – A Kudumbashree Experience*, Resource Person: **Mrs. Soya Thomas**, Topic 11: *Gender & Environment*, Resource Person: **Dr. S. Santhi**, The course was successfully completed on 29.12.2018 with evaluation and feedback sessions in which the participants shared their experiences and sought suggestions for further improvements.

160TH ORIENTATION PROGRAMME [From 16.01.2019 to 12.02.2019]

The 160th Orientation Programme began on 16.01.2019 at the UGC-HRDC, University of Kerala. There were 59 participants for the programme and were given a warm welcome by Dr. S. V. Sudheer, Director, UGC-HRDC, University of Kerala and the programme was formally inaugurated by Dr. V.P. Mahadevan Pillai, Vice-Chancellor, University of Kerala, Trivandrum. They were briefed on the course content and the expected outcome of the programme. The afternoon session was an ice-breaking session which was led by Dr. S. V. Sudheer, Director UGC-HRDC, University

of Kerala. Dr. Mini Samuel, Assistant Professor, Department of Hindi, St. Cyril's College, Adoor and Mr. Shinu Varkey, Assistant Professor, Department of Economics were selected as convenors of the programme.

The following topics were covered in the programme. Topic 1: *Transactional Analysis* Resource Person: **Sri. Jose Ebenezer**; Topic 2: *Classroom Communication Techniques*, Resource Person: **Dr. G. Porgio**; Topic 3 *Water Resource Management*, Resource Person: **Dr. E. Shaji**; Topic 4: *Women Empowerment*, Resource Person: **Adv. Bhuvanendran Nair**; Topic 5: *Time Management*, Resource Person: **Dr. V Reghu**; Topic 6: *Reflective Teaching*, Resource Person: **Dr. Rosamma Philip**; Topic 7: *Humour and Teaching*, Resource Person: **Dr. Joju John**; Topic 8: *Communicative English*, Resource Person: **Ms. Anitha S.**; Topic 9: *The Earth*, Resource Person: **Dr. Sajin Kumar**; Topic 10: *Mysteries of the Universe*, Resource Person: **Dr. Prince P.R.**; Topic 11: *Awareness of Indian Classical Dances*, Resource Person: **Dr. Venugopalan Nair**; Topic 12: *Interpersonal Relationship*, Resource Person: **Dr. Justin Padamadan**; Topic 13: *Health and Wellness*, Resource Person: **Dr. Usha S. Nair**; Topic 14: *Nuclear: Clean and green energy*, Resource Person: **Sri. A. V. Sathish**; Topic 15: *Fire & Rescue services in Disaster Management*, Resource Person: **Sri. Prathap Kumar**; Topic 16: *GST*, Resource Person: **Dr. N. Ramalingam**; Topic 17: *Service Rules*, Resource Person: **Sri Natesan Asary**, Topic 18: *Introduction to Human Rights*, Resource Person: **Dr. Josukutty**; Topic 19: *Pesticides and residues in food and their impact*, Resource Person: **Dr. Thomas Biju Mathew**; Topic 20: *MOOCs Moodle*, Resource Person: **Dr. K. Satheesh Kumar**; Topic 21: *Yoga*, Resource Person: **Mr. Roopesh R**; Topic 22: *Academic Writing Skills*, Resource Person: **Dr. K. P. Vijayakumar**; Topic 23, *Living with Diseases*, Resource Person: **Dr. Aswini Kumar S**; Topic 24: *Epidemics as a biological disaster*, Resource Person: **Dr. Amar Fettle**; Topic 25: *Stress Management*, Resource Person: **Dr. Kiran Kumar**; Topic 26: *Life styles*, Resource Person: **Dr. Sivasankaran**; Topic 27: *Research Methodology*, Resource Person: **Dr. Simon Thattil**; Topic 29: *Video Analysis*, Resource Person: **Dr. Theresa Susan A.** The presentations were

evaluated by Dr. Joseph Antony, Dr. A.M. Unnikrishnan, Dr. V. Biju and Dr. Resia Beegam.

One day field trip to Veli Lake, Perumathura Bridge, Anjuthengu, Kappil, Vakkom and Varkala was arranged which created a feeling of oneness among the participants. All participants presented their project work with the help of power point slides. The course was successfully completed on 12.02.2019 with the evaluation session followed by a valedictory function in which Dr. S. V. Sudheer, Director, UGC-HRDC distributed the certificates to the participants.

XIV Refresher Course in Women's Studies and Women Empowerment **[From 24-01-2019 to 14-02-2019]**

The UGC sponsored Refresher Course in Women's Studies and Women Empowerment conducted by the Human Resource Development Centre, University of Kerala, from 24-01-2019 to 14-02-2019. Dr. Anand Dilip Raj, Asst. Professor, Department of Sanskrit, University College, Trivandrum and Dr. Chitra L., Asst. Professor, N.S.S. Training College, Ottapalam was selected as the convenors of the programme.

The following topics were discussed and deliberated during the course: Topic 1: *Women & Health*; Resource Person: **Dr. Sangeetha Menon**, Topic 2: *Introduction to Feminist Ideology*; Resource Person: **Dr. Laura Dameris**, Topic 3: *Women and Reputation*; Resource Person: **Dr. Bindu S.**, Topic 4: *Gender and Micro financing*; Resource Person: **Mr. R. Prabha**, Topic 5: *Women & Human Rights*; Resource Person: **Dr. Josukutty**, Topic 6: *Transgender Issues*; Resource Person: **Ms. Sheethal Shyam**, Topic 7: *Women at Work*; Resource Person: **Dr. Sheeba Pillai**, Topic 8: *Gender Budgeting*; Resource Person: **Dr. Mridul Eapen**, Topic 9: *Women Empowerment through Democratic Decentralization*; Resource Person: **Sri. S. M. Vijayanand IAS**, Topic 10: *Contemporary Women Movements in Kerala*; Resource Person: **Dr. A.K. Jayasree**, Topic 11: *Niza-Its Aims and Objectives*; Resource Persons: **Mrs. V. P. Zuhara**, Topic 12: *Gandhian Vision on Women Empowerment*; Resource Person: **Prof. M.P. Mathai**, Topic 13: *Women's Studies Contemporary issues and Challenges*; Resource Person: **Ms. Indu**

Agnihotri, Topic 14: *What is Women Empowerment?*; Resource Person: **Ms. Praveena Kodoth**, Topic 15: *Changing Perceptions of Femininity in a world facing Catastrophic environmental change*; Resource Person: **Dr. S. Santhi**, Topic 16: *Women Empowerment through Kudumbasree*; Resource Person: **Sri. Harikishore IAS**, Topic 17: *Legal Protection of Women in India*; Resource Person: **Adv. Bhuvanendran Nair**, Topic 18: *Sublimity of Indian Classical Dances*; Resource Person: **Dr. Venugopalan Nair C.**, Topic 19: *Emotional Intelligence and Gender*; Resource Person: **Dr. Beela G. K.**, Topic 20: *Transactional Analysis*; Resource Person: **Sri. Jose Ebenezer**, Topic 21: *Economic Participation of Women – A Myth or Reality*; Resource Person: **Dr. Mallika M.G.**, Topic 22: *Health and Wellness*; Resource Person: **Dr. Usha S. Nair**, Topic 23: *Women and the Constitution of India*; Resource Person: **Justice K.T. Thomas**.

161ST ORIENTATION PROGRAMME **[From 27.02.2019 To 26.03.2019]**

The 161st Orientation Programme conducted by the UGC–HRDC, University of Kerala, Kariavattom commenced on 27th Feb, 2019. 68 participants from various colleges of Kerala and Tamilnadu were present for this programme. Dr. S.V. Sudheer, the Director of UGC-HRDC Academic Staff College, University of Kerala, Kariavattom officially inaugurated the programme. In this inaugural address he gave a detailed outline of the programme. He also gave an insight into the various skills, teachers ought to develop at the end of the programme.

An icebreaking section was conducted to formally introduce the participants which was highly interactive and interesting. Dr. D. Deleep Packia Raj, Assistant Professor Scott Christian College (Autonomous), Nagercoil, Kanyakumari District Tamilnadu and Dr. Deepthi Soman, Assistant Professor, Govt. Law College Barton Hill, Trivandrum were selected as convenors of the programme.

The following topics were covered in this orientation programme. Topic 1: *Value based Education* – **Dr. Dinakaral Thavamony**, Topic 2: *Emotional Intelligence* – **Dr. Beela G.K.**, Topic 3: *GST* – **Dr. Ramalingam**, Topic 4: *Disaster Management* – **Dr.**

Thara K.G, Topic 5: *Time Management* – **Dr. V. Reghu**, Topic 6: *Research Methodology* – **Dr. Kannan**, Topic 7: *Yoga and Meditation*, **Mr. Roopesh**, Topic 8: *Classroom Communication Techniques* – **Dr. G. Porgio**, Topic 9: *Research Methodology* – **Dr. Simon Thattil**, Topic 10: *Transactional Analysis* – **Sri. Jose Ebenzer**, Topic 11: *Transgender Issues* – **Ms. Surya Ishan**, Topic 12: *MOOCs Moodle* – **Dr. K. Sathesh Kumar**, Topic 13: *Fire & Rescue Services in disaster management* – **Sri. Pratap Kumar**, Topic 14: *Professional Enhancement of Teachers 21st century* – **Dr. T. C. Thankachan**, Topic 15: *Reflective Teaching* – **Dr. Rosamma Philip**, Topic 16: *Health and Wellness* – **Dr. Usha S. Nair**, Topic 17: *Nuclear – clean and green energy* – **Sri. A.V. Sathish**, Topic 18: *Awareness of Indian Classical Dances* – **Dr. Venugopalan Nair**, Topic 19: *Pesticides and Residues in food and their impact* – **Dr. Thomas Biju Mathew**, Topic 20: *Music and Life* – **Dr. Arunthathi. B**, Topic 21: *Interpersonal relationship* – **Dr. Justin Padamadan**, Topic 22: *Service Rules* – **Sri. Natesan Asary**, Topic 23: *Stress Management* – **Dr. Kiran Kumar**, Topic 24: *Communicative English* – **Ms. Anitha S**, Topic 25: *Water Resources Management* – **Dr. E. Shaji**, Topic 25: *Effective Teaching*, **Dr. Razeena Padmam**, Topic 26: *Epidemics as a biological Disaster* – **Dr. Amar S. Fettle**, Topic 27: *RUSA Scheme* – **Dr. Biveesh**, Topic 28: *Service Rules for College teachers*, **Prof. K.S. Jayachandran**, Topic 29: *Video Analysis* - **Dr. Theresa Susan A**. Topic 30: *Women Empowerment* - **Adv. Bhuvanendran Nair**.

A one day memorable field trip to Poovar Estuary was arranged on 19.03.2019. This trip created pleasant memories and a feeling of oneness among all the participants. The participants gave a presentation on their concerned subjects. The presentation were evaluated by **Dr. Resia Beegam, Dr. Biju V, Dr. P. Ramesh Kumar and Dr. C. Gopinathan Pillai**

A fellowship lunch was arranged on 25.03.2019 in the UGC-HRDC premises. The course was successfully completed on 26.03.2019 with an evaluation and feedback sessions. A unique valedictory function was arranged in this 161st Orientation Programme by planting a mango sapling in the UGC-HRDC Academic Staff College premises. The presidential address for the function was given by Dr.

S.V Sudheer. During this valedictory function Dr. S.V. Sudheer, the Director UGC-HRDC Academic Staff College, Kariavattom and Mr. Hari, Administrative Co-ordinator, UGC-HRDC, Kariavattom was honoured by the participants. The participants also thanked the entire staff of UGC-HRDC, Kariavattom for being cordial, helpful and always receiving with a smile. The participants took home memorabilia from this 161st Orientation Programme.

ONE-DAY WORKSHOP FOR PRINCIPALS OF COLLEGES IN KERALA on 06.03.2019

The One Day workshop for Principals of colleges in Kerala was held on 06.03.2019 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 Principal as Administrators in the function of the college. 51 Principals from various colleges under the Universities in Kerala were participated in the programme.

The two sessions were covered in the programme: Topic 1: *Service Rules for Principals of Colleges in Kerala*, Resource Person: **Prof. K. S. Jayachandran**; Topic 2: *Stress Management*, Resource Person: **Sri. Siva Sankaran Nair**. The programme was completed with a feedback session in which the participants shared their views and expressions.

XX Refresher Course in Education and Teaching Methods [From 11-03-2019 to 31-03-2019]

The UGC sponsored Refresher Course in Education and Teaching Methods conducted by the Human Resource Development Centre, University of Kerala, from 11-03-2019 to 31-03-2019. Dr. Laji Varghese, Asst. Professor, Mar Theophilus Training College, Nalanchira. P.O, Trivandrum and Dr. Sindhya V., Asst. Professor, University of Kerala, Trivandrum were selected as the convenors of the programme.

The following topics were discussed and deliberated during the course: **Topic 1: Transactional Analysis; Resource Person: Sri. Jose Ebenezer, Topic 2: Communication Skill; Resource Person: Mrs. Aroline K. Tom, Topic 3: Women Empowerment; Resource Person: Adv. Bhuvanendran Nair, Topic**

4: Thought on Continuous/Internal; Resource Person: Dr. Achuthsankar S. Nair, Topic 5: Classroom communication barriers; Resource Person: Dr. G. Porgio, Topic 6: Psycho analytic perspective; Resource Person: Swami Aswathi Thirunal, Topic 7: Right approaches to Research; Resource Person: Dr. Simon Thattil, Topic 8: ICT integration in Higher education; Resource Person: Dr. Vinod Chandra, Topic 9: Science Communication and Space Technology; Resource Person: Dr. Sheeju Chandran, Topic 10: 21st Century Teacher; Resource Person: Prof. K. Goplakrishnan, Topic 11: MOOCS Moodle; Resource Persons: Dr. K. Satheesh Kumar, Topic 12: Edutainment: The new Method of Teaching and Learning; Resource Person: Adv. Jithesh, Topic 13: Environmental projects and Eco restoration practices; Resource Person: Dr. A. Bijukumar, Topic 14: Awareness on GST; Resource Person: Dr. N. Ramalingam, Topic 15: Public Administration; Resource Person: Dr. Padmaramakrishnan, Topic 16: Integrated B Ed; Resource Person: Dr. G. R. Santhosh Kumar, Topic 17: Heroes and Heroines in Indian Classical Dance; Resource Person: Dr. Venugopalan Nair, Topic 18: Service Rules for college teachers; Resource Person: Sri Natesan Asary, Topic 19: Horticulture therapy - for emotional intelligence; Resource Person: Dr. Beela G K., Topic 20: Value based Education & Ethics; Resource Person: Dr. Allan Thomas, Topic 21: Water Resources Management; Resource Person: Dr. E. Shaji. Tour: ISRO Thumba, Veli lake & Shangumugham 22nd March 2018.

**TWO-DAY WORKSHOP FOR
UNIVERSITY ADMINISTRATORS
[From 14.03.2019 to 15.03.2019]**

The Two Day Workshop for University Administrators began on 14.03.2018 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 participants were attended in this programme.

The following topics were covered in the programme:
Topic 1: University Administration Resource

Person: Dr. C. Gopinathan Pillai, Topic 2: Time Management, Resource Person: Mr. V. Reghu, Topic 3: KSR & KSSR, Resource Person: Sri. Natesan Asari, Topic 4: Stress Management, Resource Person: Dr. Kiran Kumar. The programme was highly beneficial to the participants. The programme was designed and co-ordinated by Sri. R. Dileep, Joint Registrar, Campus Administration, University of Kerala, Kariavttom.

**Three Days Workshop on MOOCS, E-content Development and Open Educational Resources
[From 19.03.2019 to 21.03.2019]**

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 19.03.2019 to 21.03.2019 at UGC HRDC, University of Kerala, Thiruvananthapuram. The introduction to the course was given by Dr. S. V. Sudheer, Director, UGC-HRDC, Thiruvananthapuram. Dr. Beena Lawrence, Asst. Professor, Dept. of Botany, Women's Christian College, Nagercoil and Dr. R. Manu, Asst. Professor, Dept. of Chemistry, Sri. Vyasa NSS College, Vadakkancherry were selected as convenors of the programme. The course was co-ordinated by Dr. K. Satheesh Kumar, Associate Professor and Head of the Department of Future Studies, University of Kerala, Thiruvananthapuram.

The following topics/areas were discussed during the duration of the programme: Topic 1: *Technology enhanced teaching tools*, Resource Person: **Dr. Ashkarali**, Topic 2: *Swayam- The Indian MOOC's*, Resource Person : **Dr. Bindu V.R.**, Topic 3: *Mobile apps for teachers*, Resource Person : **Dr. K. Thiyagu**, Topic 4: *Technology enhanced teaching tools*, Resource Person : **Dr. Ashkarali**, Topic 5: *Mobile apps for teachers*, Resource Person: **Dr. K. Thiyagu**, Topic 6: *Swayam- The Indian MOOC's*, Resource Person: **Dr. Bindu V.R.**

The programme was successfully completed on 21st March 2019 with evaluation and feedback session in which the participants share their expressions and sought suggestions for further improvement.



Prof. Gopinath Ravindran, Acting Vice-Chancellor, Univeristy of Kerala inaugurating RC in Materials Sciences



Prof. V. P. Mahadevan Pillai, Vice-Chancellor, Univeristy of Kerala inaugurating 160th OP



Ms. Indu Agnihotri delivering a talk for the participants of Women's Studies



Participants of 160th Orientation Programme Planting Tree



Former Justice Sri. K.T. Thomas delivering a talk for the participants of RC in Human Rights



Prof. P.P. Ajayakumar, Pro-Vice-Chancellor, Univeristy of Kerala inaugurating Principals workshop



Dr. S. Nazeeb, Member Syndicate Univeristy of Kerala delivering valedictory address for University Administrators



Participants of 161st Orientation Programme Planting Tree

**PROGRAMMES CONDUCTED
FROM DECEMBER 1987 TO MARCH 2019**

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
Total		738	27,797

Applications may reach this office 30 days prior to the commencement of each course
Application forms can be downloaded from the website: www.keralauniversity.ac.in/ugcasc

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