



MINUTES

12TH MEETING OF IQAC (CYCLE 03)



2016 October
Internal Quality Assurance Cell (IQAC)
University of Kerala

Minutes of the Twelfth Meeting of IQAC, University of Kerala

Contents

Item No.	Item	Page No.
Q3.12.01	Confirmation of minutes of the previous meetings	1
Q3.12.02	Action Taken Report (ATR) on decisions of the previous meeting	1
Q3.12.03	Consultancy Statements of 2015	5
Q3.12.04	Centres with Potential of Excellence in Particular Areas (CPEPA)	5
Q3.12.05	National Institutional Ranking Framework (NIRF)	5
Q3.12.06	Integrating NSQF in Curriculum Development	6
Q3.12.07	Communication from NAAC on AQAR	7
Q3.12.08	Organization of Merit Day	7
Q3.12.09	Best Practices in Syllabus Documentation	8
Q3.12.10	Kerala University Publication Data Base	8
Q3.12.11	Best Faculty Webpage	8
Q3.12.12	Problems of Persons with Disability in University of Kerala	8
Q3.12.13	Revised Grading System from 1 July 2016	9
Q3.12.14	Improving Teaching & Learning –Suggestions for consideration	9
Q3.12.15	Status of Foreign Students in University of Kerala	12
Q3.12.16	Best Masters and M.Phil dissertation	13
Q3.12.17	Printing of Campus Magazine	13
Q3.12.18	Reporting Status of PURSE Phase -II	13
Appendices		
A1	Kerala University Grand Challenge Flyer	15
A2	Consolidated Consultancy Statements of 2015	16
A3	Centres with Potential for Excellence in Particular Areas (CPEPA)	17
A4	Details of Persons with Disability in University of Kerala	20
A5	Foreign Student in University of Kerala (August 2016)	23
A6	Ceremonial Dress of Chairman	25
A7	Ceremonial Dress of General Secretary	26

**Minutes of
The Twelfth Meeting of IQAC, University of Kerala
Venue: Syndicate Room
Date: 22.10.2016**

Members

1	Vice - Chancellor (Chairman)	:Sd/-
2	Pro Vice - Chancellor (Vice - Chairman)	:Sd/-
3	Convener, Standing Committee of the Syndicate on Academics & Research	:Sd/-
4	Convener, Standing Committee of the Syndicate on Depts. & other Institutions of the University.	:Sd/-
5	Dr. M. Sarngadharan, UGC Emeritus Professor, 'Saravana', Sreekaryam P.O, Tvpm	:Sd/-
6	Registrar	:Absent
7	Finance Officer	:Sd/-
8	Vice -Chairman, CSS	:Sd/-
9	Director, Computer Centre	:Sd/-
10	Shri. Santhosh C. Kurup, CEO, ICT,Academy of Kerala	:Absent
11	Shri. Rajagopal. K, Senior Manager, Quest Global, Technopark Campus	:Absent
12	Dr. G.Suresh Singh, Professor, Department of Mathematics	:Absent
13	Dr. K.S Chandrasekhar, Professor, Institute of Management in Kerala	:Absent
14	Dr. M.C. Subhash Peter, Professor, Department of Zoology	:Absent
15	Dr. C.R. Prasad, Professor, Department of Malayalam	:Sd/-
16	Dr. G.Raju,Professor, Department of Commerce	:Absent
17	Dr. Bushra Beegom R.K. Assistant Professor, Department of Sociology	:Sd/-
18	Dr. Shaji A, Assistant Professor, School of Distance Education	:Absent
19	Chairman, Departments' Union	:Sd/-
20	Director, IQAC	:Sd/-

Item No.Q3.12.01: Confirmation of the minutes of the Eleventh IQAC meeting held on 18.07.2016:-The minutes of the Eleventh IQAC meeting held on 18.07.2016 as electronically circulated to the members may be confirmed.

Item No.Q3.12.02: Action Taken Report (ATR) on decisions of the previous meeting

Decision	Action Taken
Item No.Q3.11.03: <u>Disabled Support Centre</u>: IQAC discussed the matter in detail and resolved as follows: (a) 1 wheel chair/block and one 3-wheeled scooter may be purchased and made available to Person with Disability (PWD) students. The J.R. Administration shall be the custodian of the scooter. (b) Two daisy note books may be purchased(c) Basic literature on the University may be produced in Braille and kept in library. (d) IQAC members may visit the PWD students and	Action initiated. Data & feedback from PWD students collected. Request from one student acted upon.

gather their requirements.	
Item No.Q3.11.04: <u>Submission of AQAR</u>: Noted.	No action pending.
Item No.Q3.11.05: <u>Cycle 3 Planner</u>: Approved the modifier planner.	No action pending.
Item No.Q3.11.06: <u>Multi-level comprehensive Data Collection</u>: The data collection booklets were approved and it was resolved that as next step an online option may be given to teachers, Dr. C.R Prasad was authorised to con-ordinate the data collection.	About 60% data collection is over.
Item No.Q3.11.07: <u>Integrated MPhil-Ph.D</u>: The proposal was accepted in principle and it was resolved to refer it to Dean's Council.	The 2016 UGC regulation now adopted by University of Kerala has addressed this.
Item No.Q3.11.08: <u>Completion of eBooks Phase-1</u>: IQAC noted the milestone.	No action pending.
Item No.Q3.11.09: <u>Conduct of MOOC</u>: IQAC noted the developments. Director IQAC reported that the MOOC Advisory Committees had met and recommended to hold a workshop on e-Content Development. IQAC resolved to hold the same.	Action in progress. Meanwhile, University has adopted MOOC Regulation issued by UGC.
Item No.Q3.11.10: <u>Preparation for NIRF 2017</u>: It was resolved that a team consisting of two Assistants, a few faculty members and representative of KUCC be constituted by the VC. The Assistants may be trained to handle the NIRF data uploading well in advance. Registrar may nominate 2 Assistants.	Two DEOs now made available. Committee constituted by VC. 1. Dr. A. Shaji (IDE) 2. Dr. Anil Chandran. S, (Demography) 3. Director, KUCC
Item No.Q3.11.11: <u>Syllabus Revision in 2018 & Curriculum Development Workshop</u>: IQAC discussed the matter in detail. It was resolved the curriculum Development Workshop should be organized in 3-tiers and the revision should be completed before 2018 admissions.	Action pending.
Item No.Q3.11.12: <u>Examination Reforms</u>: The Vice-Chancellor was authorised to constitute a committee.	Committee constituted by the Vice-Chancellor. 1. Dr. C. Satheesh Kumar(Statistics) Convener 2. D. S. Ajitha (IDE) 3. Dr. A.P. Pradeepkumar (Geology) 4. Dr. S. Prema (Linguistics) 5. Dr. C.S. Suchith (Hindi) 6. Dr. Biju P.G. (Biochemistry) 7. Dr. P. Sreejith (Zoology) 8. Dr. Bindu R.L (Education) 9. Dr. Josekutty C.A (Politics) 10.Dr. Bindu P (Psychology) 11.Dr. K. Satheeshkumar (Fut. studies)
Item No.Q3.11.13: <u>Admission Statistics & Analysis (2015)</u>: A meeting of HoDs of Depts.	Meeting is scheduled on 28 th . Oct.

with demand ratio of less than 1 may be convened by the PVC to discuss ways to improve their applications.	2016
Item No.Q3.11.14: <u>Academic performance of students from disadvantaged groups:</u> IQAC resolved that a committee may be constituted to study this matter and foreign students may also be included in this study.	Committee constituted by the Vice-Chancellor. 1. Dr. Pushpam M. (<i>Sociology</i>), Convener 2. Sri. Noushad V (<i>Arabic</i>) 3. Dr. A Rosemary (<i>Linguistics</i>) 4. Dr. B.V. Sasikumar (<i>Malayalam</i>) 5. Dr. A. Ganga Prasad (<i>Botany</i>) 6. Smt. Jeejakumari. K (<i>Zoology</i>) 7. Dr. Sony George (<i>Chemistry</i>) 8. Smt. Sajna A (<i>History</i>) 9. Dr. Saiful Islam A (<i>Politics</i>)
Item No.Q3.11.15: <u>Research Summaries Compilation (2015):</u> It was resolved to print 100 copies of the PhD summaries and send to libraries.	Action Pending.
Item No.Q3.11.16: <u>Faculty development Programmes:</u> IQAC agreed to the proposal. Dr. K.S. Chandrasekhar to give a specific proposal for implementation under his leadership.	Comprehensive Proposal made by Dr. K. S Chandrasekhar and circular inviting participation has been issued.
Item No.Q3.11.17: <u>Eco parks:</u> Dept of Botany may be requested to give a proposal.	Action pending (with Dept. of Botany).
Item No.Q3.11.18: <u>Educational Loans: Enlisting Banks:</u> Dr. K.S. Chandrasekhar may submit a detailed note to enable a first level meeting of Banks to be called.	Action pending
Item No.Q3.11.19: <u>Programmes for UG students:</u> Approved.	No action pending
Item No.Q3.11.20: <u>Community Radio: Proposal by Depts' Union Chairperson:</u> The idea was very much welcomed and it was resolved that MCJ department together with PRO be asked to give a proposal.	Action pending (with MCJ Dept and Public Relations Officer)
Item No.Q3.11.21: <u>Campus News Letter: Proposal by Depts Union Chairperson:</u> IQAC approved the proposal.	No action pending
Item No.Q3.11.22: <u>Reforms in Union Ceremonies: Proposal by Depts Union Chairperson:</u> IQAC approved the proposal & authorised Director, IQAC to take necessary steps. It was also resolved that a Mike set & Projector is purchased and kept in the custody of staff advisor.	Action pending (with Depts Union Chairperson)
Item No.Q3.11.23: <u>Directing Research towards the University:</u> It was resolved that VC may send a congratulatory letter to the students and guide.	Proposal made to VC's office.
Item No.Q3.11.24: <u>Status of GIAN Courses:</u> IQAC noted the development.	No action pending
Item No.Q3.11.25: <u>Research Methodology</u>	

Workshop: IQAC approved the proposal and authorized Director IQAC to take necessary steps.	Action pending
Item No.Q3.11.26: <u>Campus Development Master Plan:</u> IQAC authorized the Vice-Chancellor to constitute a committee to study the same and report. It was also resolved to investigate possibilities of energy audit through KSEB.	1. Dr. E. Shaji (<i>Geology</i>) Convener 2. Dr. M.S. Harikumar (<i>Journalism</i>) 3. Dr. Bushra Beegom R.K. (<i>Sociology</i>) 4. Dr. Josekutty C.A (<i>Politics</i>) 5. Smt. Sajna (<i>History</i>)
Item No.Q3.11.27: <u>Report on International Consultation Meeting on “International Linkages for Quality Enhancement” jointly by British Council, FLAIR, Govt of Kerala and University of Kerala (CGA & IQAC):</u> IQAC noted the report.	No action pending
Item No.Q3.11.28: <u>Consultancy for IT Mission:</u> IQAC approved the proposal.	Action deferred due to change of Director of IT Mission.
Item No.Q3.11.29: <u>Workshop on SPSS:</u> IQAC approved the proposal.	No action pending.
Item No.Q3.11.30: <u>Input from Industries on Research:</u> IQAC noted the compilation as a major step in connecting research to local needs. It was recommended that all Depts. may be asked to enrich the compilation.	Action on going
Item No. Q3.11.31: <u>Skill Test:</u> Noted.	No action pending
Item No. Q3.11.32: <u>Promoting Innovation:</u> The Vice-Chancellor was authorized to constitute a committee to design the challenges, and IQAC may announce them.	Committee constituted by Vice-Chancellor. 1. Dr. T. S Anirudhan, (<i>Chemistry</i>) Chairman 2. Dr. K.G Gopchandran, (<i>Opto Elect.</i>) 3. Dr. A Bijukumar, (<i>Aquatic Biology</i>) 4. Dr. Satheesh, (<i>Futures Studies</i>) 5. Dr. E Shaji, (<i>Geology</i>) 6. Dr. Sainaba. M, (<i>ORI</i>) 7. Dr. Saja K, (<i>Biochemistry</i>) 8. Director, IQAC, Convener Committee has designed the Kerala University Grand Challenge. Announcement is deferred pending decision on prize money by the Hon. Finance Minister. (Appendix A1)

Decision: IQAC noted the action taken reports with the following observations:

1. On item Q3.11.23, it was confirmed that the letter of congratulations has been issued.
2. On item Q3.11.10, the Vice-Chancellor assured posting of administrative support personnel in IQAC office with immediate effect.
3. On item Q3.11.22, the Department Union Chairman presented the proposed design of the ceremonial dress before the members and was approved **(Appendices A6, A7)**.

Item No. Q3.12.03: Consultancy Statements of 2015: Consultancy Statement of UCC is placed before the IQAC for intimation (**Appendix A2**).

Decision: IQAC noted the report and expressed appreciation of the substantial enhancement in consulting activities and their systematic documenting. It was noted that the report for 2016 is expected in January 2017. It was recommended that a circular be issued to departments pointing out the reckoning of external student projects as consulting and to include them in the annual consulting statements.

Q3.12.04: Centres with Potential of Excellence in Particular Areas (CPEPA): The details of the Centres with Potential of Excellence in Particular Areas (CPEPA) scheme of UGC is placed as **Appendix A3**. IQAC may advice as steps to be taken to applying for the scheme.

Decision: IQAC observed that the CPECA scheme is a scheme to be tapped and authorised Dr. P.M. Radhamany to convene a preliminary meeting of HODs to seek suggestions and propose a multi- disciplinary area for submitting proposal. The matter may be considered again after obtaining report of the above meeting.

Q3.12.05: National Institutional Ranking Framework (NIRF): National Institutional Ranking Framework is a system for ranking academic institutions. Last year, University of Kerala could not take part in the ranking. This year the process is again open. The web link for uploading data has been opened up in NIRF Portal on 10 October 2016. The data can be submitted up to 15 November 2016. The ranking will be published on the first Monday of April 2017. Data submission format sent to all departments. They were asked to submit data on or before 20 October 2016. Data will also be collected from UITs, UIMs, University College of Teacher Education, U.C.K (University College of Engineering, Kariavattom). The University of Kerala already successfully registered for the Ranking 2017.

NIRF gives provisions for ranking of separate disciplines and ranking of affiliated institutions. We applied for overall ranking. Data for the periods 2013-14, 2014-15 and 2015-16 are required to be uploaded. They are organized into five broad heads and have been further elaborated into suitable sub-heads. The overall score is computed based on the weights allotted to each head. The maximum overall score is 100.

Summary of NIRF Ranking Parameters and Weightages- 2017

Parameters	Marks
1. Teaching, Learning & Resources (TLR) Ranking weight: 0.30	100
A. Student Strength including Doctoral Students(SS): 20 Marks	
B. Faculty-student ratio with emphasis on permanent faculty (FSR): 30 marks	
C. Combined metric for Faculty with PhD (or equivalent) & experience (FQE): 20 marks	
D. Financial Resources and their Utilisation (FRU): 30 Marks	
2. Research and Professional Practice (RP) Ranking weight: 0.30	100
A. Combined metric for Publications (PU): 30 marks	
B. Combined metric for Quality of Publications (QP): 40 marks	
C. IPR and Patents: Filed, Published, Granted and Licensed (IPR): 15 marks	
D. Footprint of Projects, Professional Practice & Executive dev Programs (FPPP):	

15 marks	
3. Graduation Outcomes (GO) Ranking weight: 0.20	100
A. Comb. Metric for Placement, Higher Studies & Entrepreneurship (GPHE): 40 marks B. Metric for University Examinations(GUE): 15 marks C. Median Salary(GMS): 20 marks D. Metric for Graduating Students Admitted Into Top Universities (GTOP): 15 marks E. Metric for Number of Ph.D. Students Graduated (GPHD): 10 marks	
4. Outreach and Inclusivity (OI) Ranking weight: 0.10	100
A. Percent Students from other states/countries (Region Diversity RD): 30 marks B. Percentage of Women (Women Diversity WD): 25 mark C. Economically and Socially Challenged Students (ESCS): 25 marks D. Facilities for Physically Challenged Students (PCS): 20 marks	
5. Perception (PR) Ranking weight: 0.10	100
A. Peer Perception: Employers and Research Investors (PREMP): 25 marks B. Peer Perception: Academic Peers(PRACD): 25 marks C. Public Perception (PRPUB): 25 marks D. Competitiveness (PRCMP): 25 marks	

The above details and status report is placed before IQAC.

Decision: IQAC noted the status. It was observed that the failure to upload data in time, like in the last year, should not occur again. All steps should be taken to ensure successful ranking of University under NIRF.

Q3.12.06: Integrating NSQF in Curriculum Development: National Skills Qualifications Framework (NSQF) is a competency- based framework that organizes all qualifications according to a series of levels of knowledge, skills and aptitude. These levels, graded from one to ten, are defined in terms of learning outcomes which the learner must possess regardless of whether they are obtained through formal, non-formal or in-formal learning. NSQF in India was notified on 27th December 2013. The NSQF is anchored at the National Skill Development Agency (NSDA) and is being implemented through the National Skills Qualifications Committee (NSQC). Specific outcomes expected from implementation of NSQF are:

- (i) *Mobility between vocational and general education by alignment of degrees with NSQF.*
- (ii) *Recognition of Prior Learning(RPL), allowing transition from non-formal to organized job market*
- (iii) *Standardized, consistent, nationally acceptable outcomes of training across the country through a national quality assurance framework*
- (iv) *Global mobility of skilled workforce from India, through international equivalence of NSQF.*
- (v) *Mapping of progression pathways within sectors and cross sectorally*
- (vi) *Approval of NOS/QPs as national standards for skill training.*

The NSQF provides for a five year implementation schedule

- (i) Government funding would not be available for any training / educational programme/course which is not NSQF compliant.*
- (ii) All government funded training and educational institutions shall define eligibility criteria for admission to various courses in terms of NSQF levels.*
- (iii) The requirement rules of the Government of India and PSUs of the central government shall be amended to define eligibility criteria for all positions in terms of NSQF levels. The State Govts. and their PSUs shall also be encouraged to amend their recruitment rules on above lines.*
- (iv) It shall be mandatory for all training/educational programmes/courses to be NSQF-compliant.*
- (v) All training and educational institutions shall define eligibility criteria for admission to various in terms of NSQF levels.*

It is proposed that NSQF may be considered in our curriculum design wherever relevant and applicable.

Decision: IQAC noted that a major curriculum revision has already been proposed. The matter of adopting NSQF in our curriculum may be discussed in curriculum development workshop. It was also recommend that the 7- point grading of UGC may be adopted in the CSS curriculum. CSS Vice-Chairman was entrusted with initiating action on this matter.

Q3.12.07: Communication from NAAC on AQAR: Vide letter No. NAAC/F 2.36/IQAC-AQAR/2016 dated 24/8/2016, NAAC has intimated that the pre-requisites for submission of LOI for all HEIs opting for 2nd and subsequent cycles of Assessment and a Accreditation with effect from 16th September 2016 are as follows(i) Having a functional IQAC. (ii) The minutes of IQAC meeting and compliance to the decisions should be uploaded on the institutional website. (iii) Mandatory submission of AQARs on a regular basis for institutions undergoing the second and subsequent cycles of Assessment and Accreditation by NAAC. (iv) Upload the AQAR's on institutional website for access to all stakeholders.

IQAC of University of Kerala is already complying to all the above. The matter is brought to the notice of IQAC.

Decision: it was observed that IQAC of University of Kerala is working in an excellent manner, with regular meetings, each with number of initiatives taken up. The implementation of 3-tier Induction Programme, Academic Audit, Library audit, T-LARC, MARC, compiling stake holder inputs etc have elevated quality activities to a new level. However, the Vice-Chancellor called for specific quality enhancing initiatives and pointed out extension and green activities as having scope for enhancement. It was resolved that these areas shall be addressed.

Q3.12.08: Organization of Merit Day: Vide letter Fin II/Budget 2016-17, dated 09/08/2016, action on Budget Speech 2016-2017 relevant to IQAC was requested, for implementing them during the current financial year itself. Proposals comprising of financial estimates and other required details is required to be forwarded to the

administrative section concerned for placing before the Budget Monitoring Committee through Ad Misc. section. The item relevant to IQAC is: "Merit day is to be organised to congratulate the Rank holders of different Post Graduate courses and to pioneer in the Higher education, Research and Job in the University. Rs. One Lakh is provided for IQAC is to do so".

The matter is placed before IQAC for necessary decision.

Decision: Dr. P.M. Radhamany and Sri K.S Gopakumar were authorised to take necessary steps to conduct the Merit Day by IQAC in association with the University Union. 60th anniversary of Kerala State, Dr. M. Sarngadharan proposed that, to mark the 60 selected articles may be brought out on Nov 1, 2017. He was authorised to submit a detailed proposal in the next meeting.

Q3.12.09: Best Practice in Syllabus Documentation:

Best Practice from Dept. of Botany is brought to the notice of IQAC: The Dept. of Botany has brought out their MSc. Genetics and Plant Breeding syllabus in a well-documented manner, prefacing it with the CSS Registrations. This is a good practice and is brought to the notice of the IQAC.

Decision: IQAC recommended the best practice and authorised the Vice-Chancellor to issue a congratulatory letter to the HOD and the faculties of the Dept. for this best practice.

Q3.12.10: Kerala University Publication Data Base:

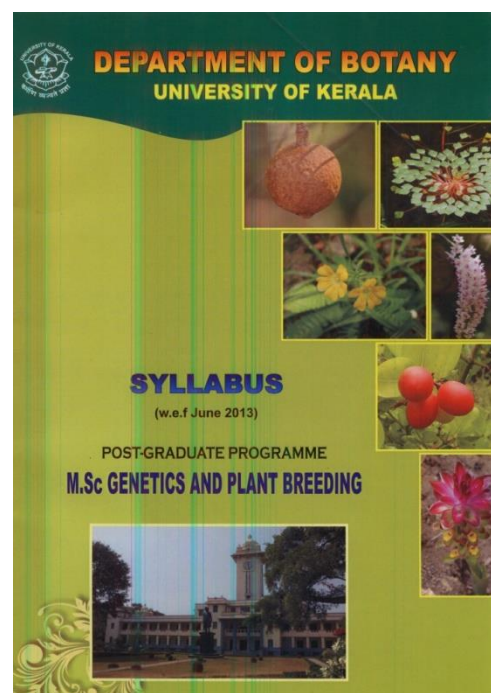
Along with NIRF data collection, all publications from the university has been compiled, cited in standard format. The Research Council meeting held on 29.09.2016 has recommended the establishment of the Kerala University Publication Data base be launched as a part of IQAC website. IQAC may advice.

Decision: The Director, Computer Centre was authorised to initiate the KUPDB as proposed above.

Q3.12.11: Best Faculty Webpage: The faculty pages in the University website has been a matter of discussion in the Quality Consultation meeting held on 2nd of February 2016. To encourage faculty to maintain it well, it is proposed that a prize be given for best faculty webpage.

Decision: IQAC agreed to the proposal.

Q3.12.12: Problems of Persons with Disability in University of Kerala: IQAC has compiled the data regarding needs of 36 Persons with Disability (28 students and 8 staffs) and is appended (**Appendix A4**). IQAC may consider their needs and advice action.



Decision: IQAC commended the activity. It was also reported in the meeting that request made by one PWD student to extend the University bus to Karamana has already been sanctioned by the Vice-Chancellor. It was also recommended that steps may be taken to provide ramps in University hostels. Bathroom for PWD be provided in all buildings.

Q3.12.13: Revised NAAC Grading System from 1 July 2016: A revised grading system with effect from 1st July 2016 has been implemented by NAAC as follows

CGPA	Letter Grade	Status
3.76-4.00	A++	Accredited
3.51- 3.75	A+	Accredited
3.01-3.50	A	Accredited
2.76-3.00	B++	Accredited
2.51- 2.75	B+	Accredited
2.01-2.50	B	Accredited
1.51-2.00	C	Accredited
≤ 1.50	D	Not Accredited

- The present system of descriptors for letter grades, ie, Very Good, Good, Satisfactory, Unsatisfactory, is discontinued in the revised grading system.
- All higher education institutions for which visits will take place from 1st July 2016 onwards will be graded as per the revised grading system irrespective of date of submission of Self Study Report (SSR).
- As of now except for the letter grades to be assigned, all other aspects of Assessment and Accreditation methodology such as the Criteria, Key aspects, calculation of Cumulative Grade Point Average (CGPA) etc. and the manuals remain the same.
- Higher Education Institutions already accredited in the earlier grading system will continue with the same accreditation status till validity period.

This is brought to the notice of the IQAC

Decision: IQAC noted the new system.

Q3.12.14: Improving Teaching & Learning – Suggestions for Consideration: In many data collections on innovations in teaching, no significant inputs are forthcoming from a majority of teachers. IQAC may therefore consider circulating the following suggestions for consideration of Department councils. (*Steps at University level indicated with **)

Preparing a Learning Environment

- “Learning to Learn” induction programme
- Use of student survey to understand student population and plan teaching accordingly.
- External mentoring for teachers in their early career.
- Recognizing each year a set of selected alternative learning environments. For example creative use of museums.

Curriculum Design & Evolution

- Minor revision of syllabus every year.

- Major revision of syllabus every 3 years.
- Holding Curriculum design workshops*
- Considering advances in research and inputs from employers in curriculum revision.
- Act on peer review of curriculum obtained through Academic Audit
- Crowd-sourcing curriculum through Wikipedia/ similar platforms.
- Articulating learning outcomes as corner-stone of curriculum design (Learning objectives are statements of the tasks that students should be able to do if they learn what is intended to be taught (define, explain, calculate, derive, model, critique, design, etc)).
- Issuing model question paper along with course brochure in beginning of semester
- Holding Curriculum fair to showcase innovation in curriculum.*

Curriculum Delivery

- Practice team teaching, each course may have 2 lecturers.
- Integrating teaching with research – discuss at least one recent research paper/course, arrange visit to a laboratory actively involved in research.
- Arranging 1-2 lectures/course by external experts.
- Mid-sem feedback to be used by lecturers to re-orient teaching suitably.
- Arrange alumni interactions with students.
- Active learning through flipped classrooms: If resources permit, practice flipped classroom. Flipped class room inverts the traditional pattern of passive lecture delivery in class and assignments/problem solving at home. That is, reading material or on-line videos of lectures are read/watched at home and class room is used to discuss, carry out activities etc. Such a classroom is said to be doing “active learning” (anything other than passive listening to lectures). Where team work is involved, it is an instance of co-operative learning also. Some active learning strategies are given below.
- Providing student teams with discussion topics and asking one of them to summarise.
- Peer student evaluation of student presentations.
- Asking students to prepare mind-maps individually and then combine them
- Give 15 minutes to each student/course to teach a small topic.
- Think – Pair –Share (Lyman, 1981): Have students work on a task individually and then get into pairs to compare and improve their responses. Call randomly on individuals to share their pairs solutions.
- Arrange visits to field/industry, at least for one course/semester.
- Encourage each student to ask one question after each lecture. Reward best question in each course.
- After each lecture, get each student to write down: (1) What was the main point of today’s class (2) What was the muddiest point (most confusing point) question?
- Post– class reflection: immediately after a class session, spend a few minutes, reflecting on the lecture.

- Peer review of teaching: Students are not qualified to evaluate certain aspects of course instruction, although student ratings provide essential information that can help you improve your teaching, they should be supplemented with other assessments. A faculty colleague can evaluate if the colleague is an excellent teacher; he or she can suggest improvements to your teaching that the students would be unlikely to identify.
- Process – Oriented Guided Inquiry Learning (POGIL): Students work in small groups in a class or laboratory on instructional modules, followed by leading questions designed to guide them toward formulation of their own conclusions.

Technology in Teaching & Learning

- Use of smart classrooms.
- Use video/animations/applets/apps where relevant.
- Use of social media for intellectual discussions.
- Recommending MOOCs for each course and integrating MOOC **with** the course.
- Arrange time-tabled and group viewing of MOOC lectures.
- Access to PCs with internet*.
- Use Skype to bring in foreign scholars to interact with students.
- Test understanding by polling: Use clickers (personal response systems) or online tool-[www. polleverywhere.com](http://www.poll Everywhere.com), which enables students to submit responses using their smart phones.
- Use scientific team forming techniques: CATME Team-maker is an online team-forming program (www.catme.org). It selects criteria from a list of common choices (including user- defined). Team-Maker queries students and collects and stores the required information.
- Access to digital learning resources*.
- Wi-Fi in campus including hostels*.
- Online tests*.
- Support in IT skill acquisition.
- Use email groups/Whats App groups for academic discussions.
- Encourage students to consult and contribute to Wiki pages related to topics taught.
- Preparation of a domain wise list of ever growing free learning resources. This can be a student assignment for one year before publishing a co-created depository”.

Assessment and Evaluation

- Give an anonymous pre-test to understand the entry knowledge of students
- Best time to formulate questions for tests/assignments is in the lecture room or immediately after the lecture. Stems of questions may be noted down after each lecture.
- Ensure that QPs have a mix of direct, indirect/application and challenging/creative questions. Try to use Bloom's taxonomy of educational objective in this regard.
- Self-assessment quizzes (self-marked and marks not revealed to lecturer) may be conducted.
- Respond to annual student feedback.
- Give engaging assignments.

- Create “unGooglable” assignments.
- Give comments in answer scripts which can help improve learning.
- Practice 2-level marking of assignments. First marking is for 75%. They can resubmit after modification, it can be marked for 25%.
- Use project management system with scientifically designed docketts
- Respond to inputs from T-LARC (Teaching, Learning & Assessment Review Committee).
- Reward good pieces of work submitted as assignment or answer scripts of test. Publish in notice board.
- Let students submit a self-evaluation along with assignments.
- Discuss assignments & test papers in class-both exceptional answers and also what went wrong in some.
- Evolve ways to evaluate assignments /projects done in teams.

Student Progress and Support

- Documentation of all background information of students including academic history, performance in courses, demographic background etc. Document and analyse dropout rates
- Document and analyse student progress of students from disadvantaged groups.
- Trace programme and course progress on a monthly basis using docketts
- Give English language training where necessary
- Ensure that there is real choice in elective courses
- Help with early preparation for projects
- Provide digital access to learning resources
- Offer additional skill courses (USAP)
- Support for socio-cultural activities of students
- Invite students to suggest books for library
- Arrange one external mentor per batch.

Decision: IQAC agreed to the proposal to circulate the suggestions above to all Depts for due consideration.

Q3.12.15: Status of Foreign Students in University of Kerala

IQAC has collected foreign student data (**Appendix A5**) and a summary is given below.

SUBJECT COUNTS		COUNTRY COUNTS	
Subject	Foreign Students	Country	Foreign Students
Commerce	9	Iran	30
IMK	8	Yemen	12
Linguistics	7	Ethiopia	5
Sociology	5	Kenya	3
Political Science	4	Indonesia	2
Psychology	4	Sri lanka	2
Uty. Library	4	Nepal	1
Education	3	Russia	1

Future Studies	3	Sudan	1
Comp. Science	2	Sudan	1
Bioinformatics	2	Trinidad & Tobago	1
Law	2	Total	59
Mathematics	2	PROGRAMME COUNTS	
Archaeology	1	PhD	41
Bio-technology	1	MA	11
English	1	MSc	5
Geology	1	MBA	2
Total	59	Total	59

Major Feedback from Foreign Students

1. Malayalam is used in some classes – many students have complained on this.
2. The registration procedure, date of reckoning of research commencement, enhancement of fees after joining is problematic.
3. Change of Faculty of Psychology after students joined has created difficulties
4. Lack of books in Linguistics Dept related to research topic
5. Lack of hostel facility and difficulty in finding outside accommodation.

IQAC may consider the above and advice action.

Decision: IQAC noted the data. It was recommended that a circular on using English in classes where foreign students are present, may be issued. Regarding change of Faculty of Psychology, the student may be addressed to represent the matter for a favorable decision. Dr. C.R. Prasad was authorised to investigate the non-availability of books in Linguistics Dept.

Q3.12.16: Best Masters and M.Phil Dissertation: The Department Union Chairman put forward the suggestion that all departments may select the best Masters and M.Phil dissertation. Each year and the best in 3 major streams (Science & Technology, Social Sciences, Arts & Humanities) may also be identified and given a prize. They may also be given opportunity to publish their work as an eBook.

Decision: IQAC agreed to the above proposal. It was recommended that DCs can utilize the services of the examiners of the dissertation to do an evaluation based on a rubric evolved by the Dept. Councils.

Q.3.12.17: Printing of Campus Magazine: The department Union Chairperson proposed that the Campus Magazine be printed at the University Press.

Decision: It was recommend that the Union may make a request to the University through the proposed channel for due consideration.

Q.3.12.18: Reporting Status of PURSE Phase –II: Promotion of University Research and Scientific Excellence (PURSE) is an incentive award scheme with a focus of rejuvenation of research in our University sector. PURSE, although is not a high investment scheme, has had its own positive impact. PURSE was launched in 2008 based on the independent evaluation

of scientific publication emanating from university sector using the SCOPUS Database for the 10 years period. In the 2nd round of identification and support under PURSE, 30 Universities were identified and supported during the period of 2011-2015. University of Kerala was one among 30 Universities in 2nd round of support.

Department of Science and Technology (DST) had undertaken an independent study to analyze the performance of Universities through publications in SCOPUS Data base for another set of 10 years period i.e. 2002-2012 and h- index along with the publications in this 10 years period have been recorded in the report. The minimum criteria of identification of universities to support under PURSE had been revised to a minimum h-index of 45 and operating range of h -index: 45-70 or above (instead of 26 to 50). 29 Universities have been identified to receive Phase II funding and University of Kerala is one among them.

The Department of Science and Technology, Govt. of India has congratulated our University for improved R &D performance. Based on the revised criteria Our University is awarded Rs. 7.25 Crores under 2nd Phase of the PURSE grant scheme. This award could be utilized in the period of next 4(four) years. The proposal to utilize the 7.25 Crores has been submitted by Dr. Ashalatha Nair, Director of Research.

The Chancellor has personally congratulated the Vice-Chancellor of our University (along with that of MG University and CUSAT) for attracting the PURSE Phase-2 grant, on 22.10.2016 at Rajbhavan.

Decision: IQAC expressed happiness over the coveted achievement.

Director, IQAC

Chairman, IQAC (Vice-Chancellor)

Appendix A1

Kerala University Grand Challenge Flyer



The flyer is titled "Announcing... Kerala University Grand Challenge #1". It features a central circular collage of four images: a red textured surface, a variety of fresh vegetables, a factory with smokestacks, and a close-up of water splashing. The challenge is divided into four numbered categories, each with a colored background: 1 (black) for iron oxide conversion, 2 (green) for a pesticide sensor, 3 (purple) for an air quality tester, and 4 (blue) for iron removal technology. A prize of Rs 1 Lakh per category is announced. The bottom section provides contact information and a website link, accompanied by the University of Kerala logo and a clock tower image.

Announcing...
Kerala University Grand Challenge #1

Prize money of Rs 1 Lakh each by Govt of Kerala

1 Conversion of two metric tons of iron oxide (stocked by KMML) to a usable product or ways for safe disposal.

2 Portable low- cost sensor to detect one common pesticide in water, in which vegetable was immersed.

3 Low cost portable electronic air quality tester which can be deployed in public places to constantly measure air quality

4 Low cost technology to remove iron from drinking water (groundwater)

Teachers, Students, Researchers of University Depts and Affiliated Colleges can send ideas to team.iqac@gmail.com by XXXXXX. Prize money of Rs 1 Lakh for each catagory will be given by Govt of Kerala. In addition University will assist winners with sequiring research funding.

 Promoting innovation.
An initiative of IQAC,
University of Kerala

<http://iqac.keralauniversity.in/grandchallenge>

Appendix: A2

Consolidated Consultancy Statement – 2015



University Consultancy Cell, University of Kerala **Consolidated consultancy statement for the year 2015**

To be submitted to the Registrar, FO and IQAC every year, for the previous year by January 31st

NON_ROUTINE CONSULTANCY						
Sl. No	ID	Consultant	Client	Budget	Income	Remarks
1	C1	KUCC	Kannur University	25,00,000	25,00,000	KUCC
2	C2	Sanal Kumar S.P	Revenue Dept. Govt. of Kerala	13,91,304	2,08,696	Fut. Studies
3	C3	Dr. Biju Kumar	ADAK	5,00,000	1,25,000	Aq. Biology
4	C4	Dr. Achuthsankar	KSBB	2,75,000	14,438	Bioinformatics
5	C5	Dr. M.S. Jayakumar	GIFT (Gulati Institute)	2,00,000	1,00,000	Sociology
6	C6	Dr. Manju S. Nair	GIFT	1,50,000	65,502	Economics
7	C7	Commerce Department	Federal Bank	80,240	7,000	Commerce
8	C8	Dr. Vinod Chandra	RGCB	67,416	67,416	KUCC
Total				51,63,960	30,88,052	
ROUTINE CONSULTANCY						
Sl. No	Departments	Type of Service		Total Earnings	Overheads	
1	Botany	Plant Identification(15)		Nil	Nil	
2	Botany	Herbarium visits(10)		Nil	Nil	
3	Botany	Tree identification in museum(1)		Nil	Nil	
4	Botany	Invited lecture in schools(1)		Nil	Nil	
5	Botany	Stereomicroscopic photographs - other departments (8)		Nil	Nil	
6	Botany	Image analysing- other departments (8)		Nil	Nil	
7	Aq. Biology	Taxonomic services (various institutions (7))		Nil	Nil	
8	Aq. Biology	Water quality analyses (2)		Nil	Nil	
9	SICC/ Physics	XRD (Dept. under University of Kerala)		2,09,400	2,09,400	
10	Optoelectronics	Field emission SEM images (128)		1,55,500	1,55,500	
11	Bioinformatics	Fee from academic consultancy (project, internship, docking)		1,04,000	1,04,000	
12	SICC/ Physics	XRD (College under University of Kerala)		78,500	78,500	
13	SICC	ICP-MS (VSSCC)		64,680	64,680	
14	SICC	ICP-MS		54,000	54,000	
15	Optoelectronics	Energy Dispersive Spectra using FESEM (142)		52,900	52,900	
16	SICC	SPM (Kerala University)		47,600	47,600	
17	SICC	ICP-MS (University of Kerala)		35,750	35,750	
18	SICC	SPM (Director IISER)		32,000	32,000	
19	Optoelectronics	Micro Raman (48)		24,500	24,500	
20	SICC	ICP-MS (JNTBGRI)		21,000	21,000	
21	SICC/ Physics	XRD (IIST)		19,000	19,000	
22	Env. Sciences	Testing of water quality (14)		18,765	18,765	
23	Arabic	Translation		18,000	18,000	
24	SICC	ICP-MS (SCTIMST)		12,000	12,000	
25	SICC	ICP-MS (NIIST, Trivandrum)		12,000	12,000	
26	SICC/IDE	Computer lab for IDE		12,000	12,000	
27	SICC	SPM		8,800	8,800	
28	Optoelectronics	UV visible spectrometer (42)		6,500	6,500	
29	SICC/ Physics	XRD (Govt. Ayurveda College, Kannur)		40,00	40,00	
30	Optoelectronics	Project guidance fee from external students (3)		3,000	3,000	
31	SICC/ Physics	XRD (SCTIMST)		3,000	3,000	
32	SICC/ Physics	XRD (Govt. Ayurveda College, TVM)		3,000	3,000	
33	Optoelectronics	Photoluminescence Spectra (2)		800	800	
Total				10,00,695	10,00,695	
GRAND TOTAL OF TURNOVER (51,63,960+ 10,00,695)						61,64,655
GRAND TOTAL OF EARNINGS (30,88,052 + 10,00,695)						40,88,747

Appendix: A3

Centres with Potential for Excellence in Particular Areas (CPEPA)

In order to encourage scheme of “**Centres with Potential for Excellence in Particular Areas (CPEPA)**” UGC has decided to continue the said scheme in selected universities during XI-Plan period, based on the experience gained in the earlier Plan periods. It is expected that this Scheme will be different from the earlier Schemes like, UPE and SAP and be more focused in its functioning and be able to enhance the academic and research capabilities of the selected Universities in their chosen areas and/or disciplines at utmost speed. While the earlier Schemes generally aim at the development of academic/research infrastructure to improve the programmes and activities in a chosen discipline at the selected University, the CPEPA Scheme focuses on supporting the development of inter-and/or multi-disciplinary areas and specific research projects in these areas at the selected University. These Guidelines have been framed to assist the Universities:

Keeping with the rapidly changing times and requirements, the Commission has come up with a new venture, in which the **multi-disciplinary approach** will be nurtured and groomed. Thus, CPEPA stands out as a unique attempt to foster activities which are lacking to a great extent among the practioners of higher education and research in the country.

On being selected under the Scheme, the Universities will be required to take up academic, research and other activities in one or more inter-and/or multi-disciplinary areas of contemporary significance in fields like, physical/chemical/biological/social sciences and humanities. The UGC has proposed to identify up to twenty five Universities from all over the country for financial support under the Scheme during the XI-Plan, period, with each one to set up a “centre with potential for excellence in a particular area”. Important aspects of the CPEPA Scheme are outlined below:

1. Objectives

The main objectives of the Scheme are to encourage and facilitate the chosen Departments at the selected University to work together by associating their like-minded faculty members to cooperate and collaborate in their programmes and activities on a regular basis, by cutting across departmental and/or discipline barriers. While there will be no preference on the subject areas to be identified and/or taken up under the Scheme, it is necessary that each one has to be of the inter-and/or multi-disciplinary type and be in the emerging, frontier or cutting edge subject areas of regional, national and/or international importance. It is expected that two or more Departments at the University will be able to jointly:

- Launch new and innovative academic, research and/or extension programmes/activities in inter-and/or multi-disciplinary areas.
- Take up this endeavour, to initiate major programmes/activities of regional/national/international interest and importance.
- Benefit from their combined academic performance, research capabilities and overall achievements.
- Reach a leadership position in their chosen fields/areas in a short time.

- Become highly successful in gaining the confidence, respect and admiration of the society at large.

The other objectives of the Scheme are to:

- Strengthen the academic and research facilities and infrastructure at the University for achieving excellence in the chosen areas;
- Enhance the quality and standard of UG/PG teaching-learning-evaluation processes, research work and extension activities in the chosen areas;
- Promote excellence in academic programmes relevant to the social, economic and other needs of the nation in general and the region in particular;
- Take up networking and collaboration with other Institution of Higher Education/National/Laboratories/Centres/etc;
- Encourage the University to fill the gaps in the existing knowledge treasure of India, by new and innovative academic/research work;
- Serve as a repository of available knowledge in the country in the particular area identified for the University.

2. Eligibility Criteria

Any University aspiring to receive financial support under the CPEPA Scheme will be required to meet the following eligibility criteria:

Essential:

- Have experience in conducting P.G., M. Phil/ and Ph. D. Degree programmes of a high standard at its Departments in chosen areas/disciplines;
- Made an action plan to associate three or more Departments, executed MoUs between them for joint work in inter and/or multi-disciplinary areas and identified the Coordinators;
- Have a least one of the participating Departments with renewed selection by the UGC for DSA/CAS under the SAP Scheme,
- Obtained accreditation by an Agency (like NAAC, NBA) recognized by the UGC, covering the Departments and be in its validity period;
- Have at least one faculty member from each of the Departments well recognized by national/international learned bodies/academies and/or by other distinctions;

Desirable:

- Demonstrated competence in inter and multi-disciplinary course work, through students' project work, Master's/Doctor's Degrees awarded and publications record;
- Have experience of pursuing quality research at its Departments in chosen areas/disciplines, as evidenced from its publications/patents;
- Made distinct contribution to the growth of knowledge and enhanced the academic ambience of the University;
- Have experience and competence in application oriented academic/research work in relevant areas useful to development sectors in the society;

3. Nature of Assistance

The nature of financial assistance available to Universities under the CPEPA Scheme will be

as follows:

- (i) The financial assistance to a University will be limited to a maximum of:
 - Rs.7.00 Crores for Sciences/Technology areas; and Rs.5.00 Crores for Social Sciences/Humanities areas;
- (ii) The funding to a University will be project oriented and a Detailed Project Report (DPR) proposal from the University will form the basis for sanctioning the grants;
- (iii) The tenure of a University under the Scheme will be initially for five years, extendable for a further period of five years, based on annual/summative reviews;
- (iv) This grant will be usable only for the following activities at the University:
 - Conducting project-oriented collaborative academic/research work in inter and multi-disciplinary areas;
 - Meeting the salary of additional academic/research staff/equipment/library resources and working expenses;
 - Conducting faculty development, conferences and related events in inter and/multi-disciplinary areas;
- (v) The grant **will not** be available for:
 - Building construction and/or developing physical infrastructure;
 - Supporting faculty member/s for uni-disciplinary academic/research/extension work;
- (vi) Once a proposal is approved, use of the grant will be as per the detailed budget and
- (vii) action plan finalized by the Expert Committee in each case;

Status of Centres which are selected under the Scheme “Centre with Potential for Excellence in Particular Area” (CPEPA) as on May, 2014

Sl. No.	University	Area of Specialization	Funds (Rs. In Lakh)
1.	Osmania University	“Bio-prospecting of certain important medicinal plants for Healthcare”	280.00
2.	Punjab University	“Cultural Fixation on “Honour”: A Gender Audit of Punjab and Haryana”	185.00
3.	Punjab University	“Application of Nano-Materials, Nanoparticles and Nano-composites”	355.00
4.	Karnataka University	“Advanced materials for therapeutic, diagnostic, industrial and agricultural applications”	685.00
5.	Bangalore University	“Application of Molecular and Nano tools to study targeted drug delivery and cellular manifestations in disease management”	575.00
6.	Mysore University	“Processing characterization and applications of Advanced Functional nanomaterials”	430.00
7.	University of Madras	“Development of Drugs from Medicinal Plants for Human Welfare”	325.00
8.	University of Madras	“Climate change and its impact on mangrove ecosystem in the region”	230.00
9.	Annamalai University	“Advanced Study in Marine Biology in the faculty of Marine Sciences”	385.00

Appendix A4
Details of Persons with Disability in University of Kerala
STUDENTS

Sl. No.	Details of PWD	Remarks/Requests
1.	SREENATH K SARMA (Mental Retardation) : Student, UIT, Yeroor	Request conveyance Allowance
2.	ANANDU J (B/L Sensory Neural Hearing loss: 75%), Student, BCA (3 rd Semester), UIT	One pair of Hearing aid
3.	KANNAN B (40% locomotors disability), Student, B. Com with Computer Application, UIT, Mannar	
4.	VIGNESH VIJAYAN, (Post traumatic Quadri paresis: 80%), Student, I year B.Com (CA) , UIT, Pirappancode	1. Construction of Ramp with Hand rails 2. Proper lighting & Video and Audio facility in class rooms
5.	GEETHU G NAIR, (Nemalitic Myopathy (Deformity in both UL & LL): 80%), Student, I year BBA, UIT, Pirappancode	1. Construction of Ramp with Hand rails 2. Proper lighting & Video and Audio facility in class rooms
6.	VARSHA P, (PWD: 60%), Student, B. Com (CA), UIT, Mukhathala, Kollam	Scribe, Extra time and Grace Mark
7.	AJIN VICTOR J , (Physically disabled in leg), Student, B. Com, Kollam	
8.	VISAKH B, (Congenital monoplegia (paralysis) of right upper limb): Student, B. Sc Computer Science, UIT, Kuravankonam	Writes with left hand due to the mentioned problem in right hand
9.	SIVANARAYANAN M.P , (Permanent Disability (Right side of the body is weak, so writing with left hand)): Student, B. Com (with Computer Application), UIT	Provide Extra time and Grace Mark
10.	SURAJ S, (Epilepsy (slow in reading, writing, expressing etc. and learning disability)): Student, B. Com (CA), UIT	Extra time for writing Examination and Grace marks
11.	ARSHA VIMAL, (Permanent: loco motor): Student, B.Com (with Computer Application) , UIT, Karuvatta	Bathroom with European system in the College
12.	KIRAN M, (Physically handicapped): Student, BCA, UIT	Time extension (30 min.) for University Examinations
13.	REHANIYA RAJU, (C. M. Phocomelia Lt.): Student, MBA, UIM, Alappuzha	-
14.	LIGIN A; (Lower Limb-post polio disability-palsy: 40% disability): Student, MBA, UIM, Varkala	-
15.	VAISHAKH S NAIR; (50% moderate permanent-cerebral palsy sequelae)	-

	orthopaedics): Student, MBA, ICM, Poojappura	
16.	MANASI N.L; (40% Moderate permanent disability orthopaedics): Student, MBA, ICM, Poojappura	-
17.	RADHIKA S.R (Unable to speak & hear): Student, B. Com-Semester I, UIT, Mannady	Hearing aid
18.	ATHIRA S.J; (50% permanent loco motor disability-Post burn contracture of both hands with loss of function and contracture of face); Student, M. Phil, Centre for Nano science & Nanotechnology	-
19.	ANEESH M.S; (Physically Challenged) Student, M.Sc. (computational Biology), Dept. of Computational Biology & Bioinformatics	1. Lift for the second floor 2. Canteen for North Campus 3. Automatic Vehicle
20.	DEEPA G (Physically Challenged); Research Scholar, Dept. of Computational Biology & Bioinformatics	Hydraulic lift
21.	NITHIN S NAIR; (Orthopaedics handicapped by CONG L.S. AGENESIS TALIPES CQUNO VARUS BIGHT FOOT SCOLIOSIS (40%)), Student, MSW (3 rd sem.), Dept. of Sociology	-
22.	FATHIMA S; (Hemiplegia cerebral Palsy): Student, M. Sc, Dept. of Biochemistry	Extend Bus facility to Karamana
23.	SANGEETHA C.P; (Loco motor: 45%); MA, Dept. of Malayalam	1. Provide extra time for writing examination 2. Provide Study Materials
24.	ARJUN DUTT S; (Orthopaedic (complete brachial plexus injury, right arm)), Student, M. Com, Dep. of Commerce	Academic support from teachers, transportation facility, hostel facilities, Library etc.
25.	AJANTHAKUMAR K.S; (Orthopedically Handicapped Disability: 75%) Ph. D Scholar, Dept. of Linguistics	1. COMPUTER or LAPTOP to access the materials for research 2. RAMP and Lift to access the Library/Shift the Library to the ground floor for easy access
26.	SETHU S.B (Orthopedically handicapped) Student, M. Tech, Dept. of Optoelectronics	Lift Facility
27.	BAVIJESH T (Orthopedically handicapped (Right Leg): 50%) Student, M. Ed, Dept. of Education	-
28.	PREENIKA S (Ophthalmic Handicapped) Student, MA, Institute of English	A Computer System with advanced, customized software for ophthalmic handicapped students, Audio Books etc.

STAFF

1.	NOUSHAD. A (Orthopedically handicapped) Library Assistant, UIT, Yeroor	leave for Medical Treatment
2.	SIVADAS A.D (Paralysis (partial) in left hand and left leg) Peon, UIT, Alappuzha	-
3.	SHINE K KOSHI (Permanent disability in Right leg: 45%) Assistant Librarian, KUCTE, Anchal	Need support for walking
4.	Dr. C BEENAKUMARI (Orthopedically handicapped) Technical Officer (Gr. I), Dept. of Physics	-
5.	DINA DINESH (Locomotive Disabilities) DEO, School of Distance Education	Avoidance of climbing stairs and suitable furniture to compensate problem with height.
6.	ABHILASH K. S (Orthopedically Handicapped: 40%) Lab Assistant/Tradesman, UCK	-
7.	SREERAJ. S (Loco motor Disability: 50%, Orthopedically Handicapped), Lab Assistant (Electronics), UCK	-
8.	MANJU RANI V.S (loco motor disability), Office Superintendent, Dept. of Law	Provide low floor footstep in University Bus

Appendix A5
Foreign Student in University of Kerala (August 2016)

Sl. No.	Name of the Dept. & Programme	Name of Foreign Student	Country
1	Archaeology (MA)	Shad Matthias Gobinsingh	Trinidad & Tobago
2	Bio-technology (MSc)	Wael Ali Mohammedd Hadi	Yemen
3	Bioinformatics (PhD)	Afshin Aryapaiaam	Iran
4	Bioinformatics (PhD)	Farinaz Badizadegan	Iran
5	Commerce (PhD)	Aliceza Kaab	Iran
6	Commerce (PhD)	Mahdi Sheikhi	Iran
7	Commerce (PhD)	Fazlallah Pornour	Iran
8	Commerce (PhD)	Homa Jafary Ahsemy	Iran
9	Commerce (PhD)	Bijan Alipour	Iran
10	Commerce (PhD)	Migtra Abkhoo	Iran
11	Commerce (PhD)	Farzad Yousefi	Iran
12	Commerce (PhD)	Naser Atasbaki	Iran
13	Commerce (PhD)	Nader Angoutin	Iran
14	IMK (MBA)	Khalid Mohammed Ahmed Ai-Karimi	Yemen
15	IMK (PhD)	Aboolhamidd Aia	Iran
16	IMK (PhD)	Legesse Gudura Mamo	Ethiopia
17	IMK (PhD)	Essayas Taye	Ethiopia
18	IMK (MA)	Najeeb Yahia Ali al-Nowairah	Yemen
19	IMK (MA)	Muhammad Abdul Wali Al-Shaibah	Yemen
20	IMK (MA)	Ghamdan Abdulkader Al-Shamir	Yemen
21	IMK (MBA)	Priscilla Dhakal	Nepal
22	English (MA)	Faisal Mohammed Saleh	Yemen
23	Uty. Library (PhD)	Bahram Mazraeh Shadi	Iran
24	Uty. Library (PhD)	Saeideh Havashemi	Iran
25	Uty. Library (PhD)	Masoomeh Kelanshlobodi	Iran
26	Uty Library (PhD)	Hamzeh Taghizadeh	Iran
27	Law (PhD)	Sedigheh Alirezaes	Iran
28	Law (PhD)	Leila Ateffakhar	Iran
29	Psychology (PhD)	Monireh Mansouri	Iran
30	Psychology (PhD)	Angea Lamomo Laneroa	Kenya
31	Psychology (MSc)	Laura	Indonesia
32	Psychology (PhD)	Masoud Mhdizadeh	Iran
33	Linguistics (PhD)	Ohood Ali Mohammed Saif Al-Nakeeb	Yemen
34	Linguistics (MA)	Hussein Omer Ali Hussein Ageel	Yemen
35	Linguistics (PhD)	Man Soureh Saeidpoor	Iran
36	Linguistics (MA)	Eassa Ali Mohammed Ali	Yemen
37	Linguistics (PhD)	Ameen Ali Mohammed Algamal	Yemen
38	Linguistics (PhD)	Basheer Ahmed Hamood Nuflah	Yemen
39	Linguistics (MA)	Shaer Saif Abluh Aamer	Yemen
40	Mathematics (PhD)	Narges Mohsenitoneka Boni	Iran
41	Mathematics (PhD)	Hadis Nozarpur	Iran

42	Education (PhD)	Hirpassa Chala Senbeta	Ethiopia
43	Education (PhD)	Fatemeh Tobrabi	Iran
44	Education (PhD)	William Yator Kibowen	Kenya
45	Political Science (MA)	Belly Rahmon	Indonesia
46	Political Science (PhD)	Hamideh Molhammadi Far	Iran
47	Political Science (PhD)	Kami Hashemi Nik	Iran
48	Political Science (PhD)	Tatiana Beleusava	Russia
49	Sociology (PhD)	Sanaz Sadeghibaghdada Bocli	Iran
50	Sociology (MA)	Kapila Ruthnayake	Sri lanka
51	Sociology (MA)	S.A. Sanjeevani Deepthi Kumari	Sri lanka
52	Sociology (PhD)	Wurok Chan Malith	Sudan
53	Sociology (PhD)	Theshome Abera Tessema	Ethiopia
54	Comp. Science (MSc)	Maryam Safaei rizi	Iran
55	Comp. Science (MSc)	Ayoa Alizadeharasi	Iran
56	Future Studies (PhD)	Cherunot D. Kiplangat	Kenya
57	Future Studies (PhD)	Ferdoos Hoosein Nezhad	Iran
58	Future Studies (PhD)	Kacha Assefa Buntje	Ethiopia
59	Geology (MSc)	Omer Mohamed Ahmed	Sudan

Appendix A6
Ceremonial Dress of Chairman



Appendix A7
Ceremonial Dress of General Secretary

GENERAL
SECRETARY



