MINUTES

17th MEETING OF IQAC

Held on 21-10-2020

UNIVERSITY OF KERALA

17th Meeting of IQAC, University of Kerala (ONLINE)

Date: 21-10-2020   Day: Wednesday   Time: 4.30 p.m.

INDEX

Members (Present)

1. The Vice - Chancellor (Chairman)
2. The Pro- Vice - Chancellor (Vice-Chairman)
3. Dr. K.G. Gopchandran, Member, Syndicate
4. Sri. R. Mahadevan, Finance Officer
5. Dr. Vinod Chandra S. S., Director, Computer Centre (i/c)
6. Sri. Ramshad Khan R., Chairman, Department Students' Union
7. Smt. Ilfa K. M., Chairman, Research Students' Union
8. Dr. Unnikrishnan S. M., Associate Vice – President, International Business & Strategic Planning, HLL Life care Ltd, Poojappura.
9. Dr. Biveesh U. C., Research Officer & Nodal Officer, RUSA State Office, Thiruvananthapuram.
10. Dr. A. K. Prasad, Professor, Department of Economics
11. Dr. K. S. Chandrasekhar, Professor and Head, Institute of Management in Kerala
12. Dr. B. Hariharan, Professor and Head, Institute of English
13. Dr. Jayachandran R., Professor and Head, Department of Hindi
14. Dr. R. B. Binoj Kumar, Professor and Head, Department of Geology
15. Dr. S. Mini, Professor and Head, Dept. of Biochemistry
16. Dr. S. R. Sheeja, Professor, Department of Economics
17. Dr. S. Aji, Associate Professor, Department of Computer Science
18. Dr. E. Shaji, Associate Professor, Department of Geology (Joint Director, IQAC)
19. Dr. Gabriel Simon Thattil, Director, IQAC

Members (Absent)

1. Dr. S. Nazeeb, Member, Syndicate
2. The Registrar
3. The Vice - Chairman, Credit and Semester System

Items for Consideration

Item No. XVII.01: Approval of the minutes of 16th meeting of IQAC held on 28.09.2020

The minutes of the meeting were circulated via email through IQAC office and the members have confirmed the same.

Item No. XVII.02: Action Taken Report on decisions of the 16th meeting of IQAC held on 28.09.2020

Decision	Action Taken
Item No.XVI.03: IQAC office at Kariavattom Campus A Camp office of IQAC at Kariavattom Campus for NAAC SSR filing. ***---IQAC Decision---: Resolved to approve the decision to have a camp office of IQAC at Kariavattom with a temporary computer assistant.***	An office has been established for IQAC at Kariavattom campus in the School of Business Management and Legal Studies with Computer and Internet facility, the services of a Computer Assistant is made available.
Item No.XVI.04: Certificate of appreciation for NAAC Directorate members A certificate of appreciation to be issued to all NAAC Directorate members. ***---IQAC Decision---: Resolved to approve the same.***	The certificates would be issued on completion of filing of SSR
Item No.XVI.05: NAAC Accreditation - Co-opting members under NAAC Directorate committees and seeking services of Computer Assistants The meeting of NAAC Directorate Convenors and Coordinators held on 11th September 2020 recommended to co-opt faculty members under each committee of the NAAC Directorate. The convenors to submit the list of faculty members to be included in the committee. Accordingly, Dr. Shaji Varkey, Convenor, Criteria V, NAAC Directorate put for the a list of members to be included in the committee ***---IQAC Decision---: Resolved to approve the same.***	U. O issued for co-opting members under Criteria V
Item No.XVI.06: University Merit Scholarship - Inclusion of two PG courses The matter of inclusion of MVA (Painting)& MVA (Art History) in the University Merit Scholarship scheme awarded annually is referred to IQAC for detailed study. ***---IQAC Decision---: Resolved to recommend one scholarship each for MVA (Painting) and MVA (Art History).***	IQAC decision intimated to section concerned.
Item No.XVI.07: Proposal for starting of the Master of Science Programme on Entrepreneurship (MS Entrepreneurship) Dr. K. S. Chandrasekar, Professor and Head, Institute of Management in	Prof. K. S. Chandrasekhar presented a detailed proposal changing the name of the programme from Master of Science Entrepreneurship to MBA Entrepreneurship. Resolved to place the detailed proposal before the S/C of the Syndicate on Academics and Research. Prof. Gopchandran suggested to seek UGC approval for MS programme in

Kerala (IMK) submitted a proposal for starting a new programme on Master of Science on Entrepreneurship (MS Entrepreneurship). ---IQAC Decision---: *Resolved to accept the proposal in principle. Details on name of the programme, recognition, fee structure, award of degree and similar details to be worked out in detail. Prof. K.S. Chandrasekar is authorized to submit proposal and initiate action.*	Entrepreneurship and MS programme in Artificial Intelligence. A detailed proposal giving course structure for the above programmes to be finalized for possible approval by UGC. A committee is to be constituted for this purpose with the following members. 1. Prof. K. S. Chandrasekhar, Convener 2. Prof. Vinod Chandra S. S. 3. Prof. K. G. Gopchandran

Other Items approved by the Chair

Item No.XVI.14: Online training on LMS and e-content preparation The Hon'ble Pro-Vice-Chancellor suggested to have online training on LMS in continuation of phase I and to provide training for project submission as well as encouraging teachers to take up interactive sessions in the online mode. ---IQAC Decision---: *Resolved to convene a meeting of School Directors and initiate action on the same.*	Based on the decision taken at the meeting of School Directors, resolved to have online training on LMS in two phases – 1. Bridging Gaps in Phase I for two days during the last week of October 2020 and 2. Phase 2 on the LMS training in the third week of November 2020 after enrolment of first semester students.
Item No.XVI.15: New programmes including interactive programme Dr. S. Nazeeb and Dr. K. G. Gopchandran suggested that departments should undertake new programmes including integrated programmes in the coming academic year. Dr. A. Bijukumar suggested using the services of teachers, specifically departments with larger number of faculty members for creation of new programmes. Dr. S. Nazeeb suggested having online programme as approved by UGC. ---IQAC Decision---: *Resolved to convene a meeting of School Directors and initiate action on the same.*	The School Directors meeting convened on 05-10-2020 resolved to submit proposals for new programmes in the integrated mode for the coming academic year by 31st October 2020.
Item No.XVI.16: Follow up training on LMS Prof. Jayachandran R. suggested having a online follow up training to phase 1 of Moodle LMS workshop. ---IQAC Decision---: *Resolved to conduct the same in October, 2020.*	In Progress
Item No.XVI.17: Start up grant for research Dr. Shaji E. suggested speeding up release of grants for start up research based on proposals received. ---IQAC Decision---: *Resolved to initiate steps for the same.*	Resolved to speed up release of grants for Startup research through screening and approval of projects by IQAC.
Item No.XVI.18: Showcasing University of Kerala activities Dr. Unnikrishnan S. M., Associate Vice – President, International Business & Strategic Planning, HLL Life care Ltd spoke on the need to have good visibility for work and initiatives of University of Kerala. University of Kerala need to project itself as globally standardized institution for which projects and integrated courses in collaboration with renowned universities can be initiated. We need to have core committee (think- tank) to initiate such strategic measure as part of its short term and long term plan. ---IQAC Decision---: *Resolved to convene a meeting of School Directors and initiate action on the same.*	In Progress

Item No.XVII.03: Thesis of the Decade Award in Linguistics

The Head, Department of Linguistics, University of Kerala vide letter dated 27/05/2020, has submitted a proposal for the best thesis of the decade award in Linguistics **(Appendix I).**

The matter was placed before the Standing Committee of the Syndicate on Academics and Research. The Standing Committee recommended to refer the matter to IQAC for specific remarks on the proposal submitted by the HOD, Department of Linguistics. The Syndicate in its meeting held on 14/08/2020 resolved to approve the recommendation of the Standing Committee.

---IQAC Decision---: The proposal was discussed and resolved not to approve the same.

Item No.XVII.04: Academic Audit- Department of Hindi - Release of payment

An amount of Rs.40,000/- (Rupees Forty Thousand only) was released as Provisional advance to Dr. Jayachandran R., Professor and Head, Department of Hindi for the conduct of Academic Audit in the department. The Audit section has verified the original bills and vouchers amounting to Rs. 43,725/- (Rupees Forty Three Thousand Seven Hundred and Twenty Five only) and found to be in order. The section has admitted the regularization of Provisional advance of Rs. 40,000/- (Rupees Forty Thousand Only). The section has also admitted the excess expenditure of Rs. 3,725/- (Rupees Three Thousand Seven Hundred and Twenty Five only). The Finance section has endorsed the regularization of Provisional advance of Rs. 40,000/- (Rupees Forty Thousand only) sanctioned to Dr. Jayachandran R., Professor and Head, Department of Hindi. The Finance has also endorsed the reimbursement of additional amount expended of Rs. 3,725/- (Rupees Three Thousand Seven Hundred and Twenty Five only), as admitted by the Audit VI section.

As directed by the Hon'ble Vice-Chancellor, the matter is placed before the IQAC meeting for approval on the following:

1. to regularize the Provisional advance of Rs. 40,000/- (Rupees Forty Thousand only) sanctioned to Dr. Jayachandran R., Professor and Head, Department of Hindi in connection with the conduct of Academic Audit in the department.
2. to reimburse the additional amount expended of Rs. 3,725/- (Rupees Three Thousand Seven Hundred and Twenty Five only) to Dr. Jayachandran R., Professor and Head, Department of Hindi.

---IQAC Decision---: Resolved to approve the same.

Item No.XVII.05: Academic Summit

It was proposed to conduct the Academic Summit on March 11,2020. However, as per the orders of the Hon'ble Vice-Chancellor, the programme was postponed due to the Covid-19 pandemic. In the 15th meeting of IQAC held on 13.08.2020, the Hon'ble Vice-Chancellor suggested to reinitiate the programmes which was approved and subsequently postponed due to the Covid Pandemic. Prof. K. G. Gopchandran, Member, Syndicate suggested that considering the SSR uploading and NAAC preparedness, IQAC members and NAAC Directorate should be spared from all other activities and should be engaged in the assessment process alone. Dr. S. Nazeeb, Member, Syndicate suggested that the proposals need not be kept pending and a committee (not involving IQAC members and NAAC Directorate members) to be constituted for each programme with the Pro-Vice-Chancellor as its convener for the conduct. The meeting resolved to approve the same.

An amount of Rs.32,760/- (Rupees Thirty Two thousand Seven Hundred and Sixty only) was expended towards the conduct of Academic Summit scheduled for March 5th 2020, however the programme was postponed due to Covid 19

pandemic. It may also be noted an amount of Rs. 9,038/- and Rs. 7,295/- towards the cancellation charges of air tickets for Dr. N. V. Varghese, Vice-Chancellor, NIEPA and Dr. M. Ramachandran, Professor, Pondicherry University respectively is to be paid to Jet Set Travel and Holders, Pattom.

As directed by the Hon'ble Vice-Chancellor, the matter is placed before the IQAC meeting for approval on the following:

1. to pay the cancellation charges of air tickets of Rs. 9,038/- and Rs. 7,295/- towards the cancellation charges of air tickets for Dr. N. V. Varghese, Vice-Chancellor, NIEPA and Dr. M. Ramachandran, Professor, Pondicherry University to Jet Set Travel and Holders, Pattom .
2. to constitute a committee with the Pro-Vice-Chancellor as its convener (not involving IQAC members and NAAC Directorate members).

---IQAC Decision---: Resolved to approve the same.

Item No.XVII.06: Procedure for patent filing - constitution of committee

The meeting of the Syndicate held on 24.08.2020 resolved to entrust the Deans Council to prepare a format for patent filing as per the methodology adopted in Rajiv Gandhi Centre for Biotechnology & Institute for Scientific and Engineering Research (ISER) and place the same before the IQAC meeting.

The Standing Committee of the Academic Council(Deans Council) in its meeting held on 28.09.2020 resolved to constitute a committee consisting of Dean Faculty of Sciences/ Management Studies/ Oriental Studies/Applied Sciences/ Director, IQAC under the convenership of Dean, Faculty of Sciences to suggest the procedure to be adopted by the University for patent filing on the basis of a study of procedure adopted by the prominent institutions and submit a report within 15 days.

The meeting of the subcommittee of the Deans for patent filing through University of Kerala was held on 09.10.2020. The following decisions were taken during the meeting:

1. The existing IPR policy of the University of Kerala to be made contemporary and better ease of filing for patent filing.

2. An online three days workshop on the IPR policy with experts from the field of IPR to be conducted at the earliest and the convenor will submit the proposal for the same to IQAC.

3. IQAC will conduct the online workshop at the earliest.

---IQAC Decision---: Resolved to approve the proposal on revising the IPR policy and conduct of workshop on IPR by IQAC.

Item No.XVII.07: University website updation – NAAC requirements

University website updation is in progress; however certain requirements as per NAAC guidelines including Vision, Mission etc need to be added.

---IQAC Decision---: Prof. P. P. Ajayakumar, Hon'ble Pro-Vice-Chancellor suggested on the need to have a common University level committee to capture and upload all University activities which need to be showcased through the website. Dr. Shaji E. suggested on the need to have a link for NAAC related disclosures. Resolved to form a committee to examine website updation and uploading issues with the following constitution.

1. *Prof. P. P. Ajayakumar, Pro-Vice-Chancellor (Convener)*
2. *Dr. Shaji E., Joint Director, IQAC*
3. *Prof. A. Gangaprasad, Dean, Faculty of Sciences*
4. *Dr. Meena T. Pillai, Professor, Institute of English*

Items for Reporting

Item No.XVII.08: Meeting of School Directors held on 05.10.2020

As resolved in the 16th IQAC meeting held on 28.09.2020, a meeting of School Directors was convened with Prof. V. P. Mahadevan Pillai, Vice-Chancellor as chairperson in the online mode. The meeting resolved to seek proposals from all Schools on the agenda items as well as future plan of action. The School level proposal to be submitted after interaction with faculty and HoDs of all departments and the same is to be submitted by 31st October 2020.
---IQAC Decision---: Noted

Item No.XVII.09: Meeting of the Head of Departments to discuss need based training programmes held on 07.10.2020

As resolved in the meeting of Monitoring committee for CACEE held on 20.08.2020, a meeting of Head of Departments (HoDs) was convened for examining the conduct of skill based training programmes in collaboration with CACEE with Prof. P. P. Ajayakumar, Pro- Vice-Chancellor as Chairperson in the online mode. The meeting resolved to seek proposals from all Departments in this regard and the same to be submitted by 31st October 2020.
---IQAC Decision---: Noted

Item No.XVII.10: Meeting of SLQAC held on 30.09.2020

A meeting of SLQAC was held on the agenda, 1) Preparation of a synchronised Database of HEIs in Kerala and 2) Regular online Workshops of IQAC Directors of Universities & Colleges with NAAC peers, November 2020 onwards.

---IQAC Decision---: Noted

Item No.XVII.11: KSHEC- Interactive session on revising the Evaluation Criteria for Chancellor's Award 2020 held on 06.10.2020
An interactive session on revising the Evaluation Criteria for Chancellor's Award 2020 was held on 06.10.2020
---IQAC Decision---: Noted

Item No.XVII.12: NAAC- Kerala Report - State-wise Analysis of Accredited Higher Education Institutions
NAAC is bringing out this report for the State of Kerala focusing on higher education in the state with more reference to the accreditation status and quality concerns for HEIs. The report has been prepared by a team of experts consisting of Dr. Vinita Sahu, Assistant Adviser, NAAC, Prof. Gabriel Simon Thattil, Director, IQAC, University of Kerala, Dr. Shivani Mishra, Director, Department of Social Work, Sardar Patel University, Anand and Dr. Manoj Chacko, Associate Professor in Statistics, University of Kerala.
---IQAC Decision---: Noted

Other items approved by the Chair
Item No.XVII.13:- Budget Proposals – Initiating Action
The Hon'ble Vice-Chancellor suggested initiating the following proposals

1. Meet the Scholar- Examine the possibility to inaugurate October 27 or 28, 2020
2. Academic Summit – Initiate the proposal in November 2020 in the online mode and after a gap of 3-4 week examine possibility for continuing the remaining sessions in the offline mode.
3. Performance Audit
4. Travel through Nobel Laureates

Item No.XVII.14:- Campus Cleaning Drive Programme

The Hon'ble Pro-Vice-Chancellor stated that there was need for an urgent campus cleaning drive as well as initiating infrastructure maintenance services and campus beautification projects.

---IQAC Decision---: Resolved to authorize the Campus Director, Prof. K. S. Chandrasekhar to initiate the same. The campus cleaning drive to be initiated from November 1- 6, 2020. Department level involvement to be ensured.

Item No.XVII.15: Workshop on National Education Policy

The Hon'ble Vice-Chancellor suggested having a workshop on National Education Policy 2020.

---IQAC Decision---: Resolved to approve the same.

Item No.XVII.16: Research and Publication Ethics – Course work for Ph.D

Dr. Shaji E. suggested incorporating Research and Publication Ethics as part of Course work for Ph.D. as mandated by UGC. The course structure, scheme and syllabi would be as prescribed by UGC. **(Appendix II)**

---IQAC Decision---: Resolved to approve the same and considering the urgency in implementation, resolved to place the same for approval before the Syndicate.

The meeting came to an end by 6 p.m.
Approved the minutes of the 17th meeting of IQAC

Dr. Gabriel Simon Thattil   Dr V P MAHADEVAN PILLAI
Director   Chairman
Internal Quality Assurance Cell   Internal Quality Assurance Cell
University of Kerala   University of Kerala
                                                                              02.11.2020

UNIVERSITY OF KERALA

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Dr. S. A. SHANAVAS
PROFESSOR & HEAD

Date: 27/05/2020

To

The Hon. Vice Chancellor

Sub.:- THESIS OF THE DECADE AWARD IN LINGUISTICS– Reg.

Respected Sir,

Department Council of the Department of Linguistics, University of Kerala, has decided to propose an award – "**The Best Thesis of the Decade Award in Linguistics**", for the last decade (01st January 2010 to 31st December 2019).

The Department of Linguistics, since its inception in 1963, has been offering Ph.D admissions to Linguistics and non-Linguistics PG students, belonging to related/ allied disciplines. Great personality like Prof. Puthusseri Ramachandran, is one among the recipients of Ph.D in Linguistics. The Department is pioneer in establishing innovative centres/ organisations/ institutions/ journals, etc. including ISDL, IJDL, Dravidian Linguistics Association, etc., a few to mention.

I am attaching herewith the proposal with details. I may request Your Honour to personally look into the matter and permission may kindly be granted for the same at the earliest to announce and invite applications.

Dr. S. A. SHANAVAS

PROFESSOR & HEAD
Dept. of Linguistics

Dr. S. A. SHANAVAS
PROFESSOR AND HEAD
DEPARTMENT OF LINGUISTICS
UNIVERSITY OF KERALA, KARIAVATTOM
THIRUVANANTHAPURAM - 695 581

THESIS OF THE DECADE AWARD IN LINGUISTICS

The Department of Linguistics, University of Kerala, is pleased to announce an award - "The Best Thesis of the Decade Award in Linguistics" for the last decade (01ˢᵗ January 2010 to 31ˢᵗ December 2019). There are five awards as follows:

1. **Prof. V.I. Subramaniom Award** for the best thesis on Dravidian Studies – among Indian Universities.
2. **Prof. Puthusseri Ramachandran Award** for Studies on Malayalam Linguistics – among Universities in Kerala.
3. **Prof. A. P. Andrewskutty Award** for Studies on Malayalam Grammar/ Syntax / Computational Linguistics - among Indian Universities.
4. **Prof. P. Somasekharan Nair Award** for Studies on Sociolinguistics/ Dialectology/ Lexicography - among Indian Universities.
5. **Prof. N. Rajendran Award** for the best thesis on Tribal Studies/ Field Linguistics/Folklore - among Indian Universities.

Applications for the above awards are invited from scholars who were awarded Ph.D during the last decade (01ˢᵗ January 2010 to 31ˢᵗ December 2019).

(Nominations and proposals can be submitted also by persons or agencies.)

Application should include a hard and soft copy of the thesis, the books or articles published based on the thesis after the award of degree, six copies of two page synopsis of the thesis including the outcome of the thesis, etc. and a copy recommendation/ testimonial from the Head/ Supervisor. A prescribed application fee of Rs. 1000/- is to be paid. The last day for submission of application is 15ᵗʰ July, 2020. A team of scholars will be the adjudicators and the award is expected to be declared by 15ᵗʰ October, 2020 and awarded by 1ˢᵗ November 2020.

The Award will include a Citation, a Memento and Cash.

Award Committee:

1. The Hon. Vice Chancellor of the University of Kerala (Chairman)
2. The Hon. Pro Vice Chancellor
3. The Dean of Faculty
4. One distinguished person nominated by the Hon. Vice Chancellor
5. Expert Members
6. Head of the Department of Linguistics (convener)

PROFESSOR & HEAD
Dept. of Linguistics

Dr. S. A. SHANAVAS
PROFESSOR AND HEAD
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21.10.2020

EXPECTED EXPENDITURE FOR THESIS OF THE DECADE AWARD IN LINGUISTICS

Cash Award/ Citation/ Mementos (*Expects Sponsorship*)   – 35.000.00

Honorarium of Experts for Thesis Evaluation – 500*20*5   - 50,000.00

Advertisement/Postage   - 12000.00

Contingency   – 20000.00

Grant Total   – 11,7,000.00

(Rupees One Lakh Eleven Thousand only)

Amount Expects from University   Rs. 82000.00

(Rupees One Eighty Two Thousand only)

An Amount of 82,000/-(Rupees One Eighty Two Thousand only) may be sanctioned along with the approval of the Proposal.

Dr. S. A. SHANAVAS
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21.10.2020

Course Title:
- **Research and Publication Ethics (RPE)** – Course for awareness about the publication ethics and publication misconducts.

Course Level:
- 2 Credit course (30 hrs.)

Eligibility:
- M.Phil., Ph.D. students and interested faculty members (It will be made available to Post Graduate students at later date)

Fees:
- As per University Rules

Faculty:
- Interdisciplinary Studies

Qualifications of faculty members of the course:
- Ph.D. in relevant subject areas having more than 10 years' of teaching experience

About the course

Course Code: CPE - RPE

Overview
- This course has total 6 units focusing on basics of philosophy of science and ethics, research integrity, publication ethics. Hands–on–sessions are designed to identify research misconduct and predatory publications. Indexing and citation databases, open access publications, research metrics (citations, h-index, Impact Factor, etc.) and plagiarism tools will be introduced in this course.

Pedagogy:
- Class room teaching, guest lectures, group discussions, and practical sessions.

Evaluation
- Continuous assessment will be done through tutorials, assignments, quizzes, and group discussions. Weightage will be given for active participation. Final written examination will be conducted at the end of the course.

Course Structure
- The course comprises of six modules listed in table below. Each module has 4-5 units.

Modules	Unit title	Teaching hours
Theory		
RPE 01	Philosophy and Ethics	4
RPE 02	Scientific Conduct	4
RPE 03	Publication Ethics	7
Practice		
RPE 04	Open Access Publishing	4
RPE 05	Publication Misconduct	4
RPE 06	Databases and Research Metrics	7
	Total	**30**

Syllabus in detail

THEORY

- **RPE 01: PHILOSOPHY AND ETHICS (3 hrs.)**

1. Introduction to philosophy: definition, nature and scope, concept, branches
2. Ethics: definition, moral philosophy, nature of moral judgments and reactions

- **RPE 02: SCIENTIFIC CONDUCT (5 hrs.)**

1. Ethics with respect to science and research

2. Intellectual honesty and research integrity
3. Scientific misconducts: Falsification, Fabrication, and Plagiarism (FFP)
4. Redundant publications: duplicate and overlapping publications, salami slicing
5. Selective reporting and misrepresentation of data

- **RPE 03: PUBLICATION ETHICS (7 hrs.)**
1. Publication ethics: definition, introduction and importance
2. Best practices/ standards setting initiatives and guidelines: COPE, WAME, etc.
3. Conflicts of interest
4. Publication misconduct: definition, concept, problems that lead to unethical behavior and vice versa, types
5. Violation of publication ethics, authorship and contributorship
6. Identification of publication misconduct, complaints and appeals
7. Predatory publishers and journals

PRACTICE
- **RPE 04: OPEN ACCESS PUBLISHING (4 hrs.)**
1. Open access publications and initiatives
2. SHERPA/RoMEO online resource to check publisher copyright & self – archiving policies
3. Software tool to identify predatory publications developed by SPPU
4. Journal finder/ journal suggestion tools viz. JANE, Elsevier Journal Finder, Springer Journal Suggester, etc.

- **RPE 05: PUBLICATION MISCONDUCT (4 hrs.)**
A. Group Discussions (2 hrs.)
1. Subject specific ethical issues, FFP, authorship
2. Conflicts of interest
3. Complaints and appeals: examples and fraud from India and abroad

B. Software tools (2 hrs.)
Use of plagiarism software like Turnitin, Urkund and other open source software tools

- **RPE 06: DATABASE AND RESEARCH METRICS (7 hrs.)**
A. Databases (4 hrs.)
1. Indexing databases
2. Citation databases: Web of Science, Scopus, etc.

B. Research Metrics (3 hrs.)
1. Impact Factor of journal as per Journal Citation Report, SNIP, SJR, IPP, Cite Score
2. Metrics: h-index, g index, i10 index, altmetrics

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21.10.2020