

3. Evaluative Report of the Department of (Jan to Dec, 2017)

1. Name of the Department : **Department of Radiodiagnosis**
2. Year of establishment: **16th Dec, 1986**
3. Is the Department part of a college/Faculty of the university?: **Yes**
4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)

M.D. (Radiodiagnosis) : 2 Seats/Year

Diploma in Radiodiagnosis (DMRD): 2 Seats / Year

U.P. government recognized 2 year Diploma courses in :-

- ❖ **X-ray Technician : 60 Seats / Year**
- ❖ **C.T. Technician: 30 Seats/Year**
- ❖ **M.R.I. Technician: 30 Seats/Year**

5. Interdisciplinary programs and departments involved: **Regular Seminars, Case presentations, Journal Club Presentations, Group discussion for MD& DMRD. Classes for paramedical students on regular basis.**
6. Courses in collaboration with other universities, industries, foreign institutions, etc:
CME, Conferences, Colab DDS (with AIIMS, New Delhi) Lucknow Chapter every 3 months in collaboration with SGPGI, RMLIMS, Command Hospital, Era's Medical College and Vivekanand Polyclinic. CMEs + Conferences organized regularly
7. Details of programs discontinued, if any, with reasons : **Nil**
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System : **Annual**
9. Participation of the department in the courses offered by other departments: **Participate in integrated teaching of UG students with other departments. Participating in CGR and CCR. Clinical Audits.**
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	1 Professor transferred from radiotherapy
Associate Professor/Reader	2	2	Same
Assistant Professor /Lecturer	8	3	-
Tutor / Clinical Instructor	-	-	-
Senior Resident	9	9	

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance.

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. Neera Kohli	M.D, FICRI, FIMSA	Professor & Head	Neuroradiology, Pediatric Radiology	33 Years 9 Months
Dr. Anit Parihar	M.D, PDCC	Associate Professor	Neuro-interventions, MRI	12 Years 2. 5 Months
Dr. Manoj Kumar	M.D Radiodiagnosis	Associate Professor	Interventional Radiology	12 Years 2.5 Months
Dr. Sukriti Kumar	M.D, Radiodiagnosis	Lecturer	Abdominal imaging, Neuro Imaging Thoracic Imaging, CT & MRI, Women's Radiology	2 Years 9 Months

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors :

S N.	Name of Visitor	Designation & Name of Institution	Purpose of Visit	Date of Visit
1.	Dr. Prachi Pragya	Associate Professor Cardiology Division University of Michigan , USA	Guest Lecture	17.07.2017
2.	Dr. Ashok Srinivasan	Associate Professor Neuroradiology division University of Michigan , USA	Guest Lecture	14.07.2017
3.	Dr. Tulika Singh	Associate Professor Deptt of Radiodiagnosis PGIMER Chandigarh	Guest Lecture	21.07.2017

13. Percentage of classes taken by temporary faculty – program-wise information : Nil

14. Program-wise Student Teacher Ratio:

COURSE	LECTURE	DEMONSTRATION	LONG CLINIC
MBBS	250:1	40:1	40:1
MD	17:1	17:1	--

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

	Sanctioned	Filled	Actual
Administrative	4	3	-
Academic support staff	12	07	—
Technical nursing	5	5	-

16. Research thrust areas as recognized by major funding agencies:

Dr. Anit Parihar

Osteoarthritis knee: ICMR Co PI

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise :

National ICMR- See Above

International grant: Melinda & Bill Gates Foundation-

18. Inter-institutional collaborative projects and associated grants received :
(a) National collaboration b) International collaboration :
CME, Conferences, Colab DDS (with AIIMS, New Delhi) Lucknow Chapter every 3 months in collaboration with SGPGI, RMLIMS, Command Hospital, Era's Medical College and Vivekanand Polyclinic.
19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : 4,22000/Annum(Approx)
20. Research facility / centre with : by way of Thesis
- State recognition- **none**
 - National recognition –**Recognized by MCI**
 - International recognition – **None**
21. Special research laboratories sponsored by / created by industry or corporate bodies :

One Digital X-ray Machine and 2 USG Machines given by Samsung under CSR

22. Publications:

- Number of papers published in peer reviewed journals (national / international) -
 - **International : 46 National : 42**
 - Monographs - Nil
 - Chapters in Books- **01 - Dr. Anit Parihar ,Dr. Neera Kohli**
 - Books edited-
 - Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.)-
 - Citation Index – range / average : **300-700, Average : 500**
 - SNIP-
 - SJR-
 - Impact Factor – **range / Average : 1-4, Average : 2**
 - h-index **7.2 Average**
23. Details of patents and income generated: **Augmentation Fund**
24. Areas of consultancy and income generated: **Augmentation Fund**
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad-
- Dr. Neera Kohli – Present Research Work in RSNA 2017
- Dr. Anit Parihar- Present Research Work in ECR 2017-
26. Faculty serving in
- a) National committees- Dr. Neera Kohli is President elect of Indian Society of Pediatric Radiology -
- b) International committees –Dr. Neera Kohli is in the Global advisory **group of Chest X-ray in Children with pneumonia**
- c) Editorial Boards:
1. Dr. Neera Kohli is reviewer of Indian journal of Imaging
- d) Any other (specify):
 - **Dr. Neera Kohli went as expert for appointment of faculty at government institute of Medical Sciences at Greater Noida in 26.01.2017**
27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).
- Lucknow Chapter every 3 months on rotation basis regularly**
- Foundation Day on 16th December every year**
- ISPR 2015**
- BLS, CBEBM, EBM.**
28. Student projects
- percentage of students who have taken up in-house projects including inter-departmental projects: **100% (Thesis and dissertation)**
 - percentage of students doing projects in collaboration with other universities / industry / institute :**Nil**

29. Awards / recognitions received at the national and international level by Faculty

Dr. Anit Parihar

- Life Member Indian Society of Vascular and Interventional Radiology 2017
- Eminence in Research Award on 12/11/2017 by Research Cell King George's Medical University

30. Seminar/Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any

S N.	Name of Conference	Date	Local/ National/ International	Source of Funding	Outstanding Participant
1.	GRASP (Guidance in Radiology for Aspiring students & Post Graduate)	11 th & 12 th February 2017	National	Zydus	
2.	Delivered a lecture in Basic sequences of MRI at National CME on CT & MRI basics to advance at	6 th & 7 th March 2017	National		
3.	Delivered a lecture in Posterior fossa Tumors in children at National Conference of Indian Society Pediatric Radiology	9 th & 10 th September 2017	National		

31. Code of ethics for research followed by the departments : Institutional Ethics committee , KGMU

32. Student profile program-wise: for 2015 year

Name of the Program (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MD	AIPG, UPPGME	03	00	100%	100%
DMRD	UPPGME & PMS	00	01	100%	100%

33. Diversity of students : Not Applicable

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MBBS	00	00	00	00

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise. : **Ex student Dr. Kausal Kishore is now serving as DM, Begu Sarai, Bihar**

- **Ex-student and Ex-faculty Dr. Shailesh kumar Singh is now working as officer in custom and excise in Faridabad**

35. Student progression

Student progression	Percentage against enrolled
PG to PDCC	Not Applicable
Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	- 100%
Entrepreneurs	Nil

36. Diversity of staff *Including faculty transferred from radiotherapy

Percentage of faculty who are graduates	
of the same university	03
from other universities within the State	03
from universities from other States	Nil
from universities outside the country	Nil

37. Number of faculty who were awarded MCh during the assessment period: **Not Applicable**

38. Present details of departmental infrastructural facilities with regard to

- Library : **Yes**
- Internet facilities for staff and students: **Yes, Through H.I.S**
- Total number of class rooms: **01**
- Class rooms with ICT facility and 'smart' class rooms: **One, Yes**
- Students' laboratories: **Museum 01**
- Research laboratories: **N/A**

39. List of doctoral, post-doctoral students and Research Associates

- from the host institution/university : **02**
- from other institutions/universities : **Nil**

40. Number of post graduate students getting financial assistance from the university: **Nil**

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.:**Nil.**
42. Does the department obtain feedback from
- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? : **Yes – Feedback is helpful for revision of curriculum in Board of Studies.**
 - **1.Log books are maintained.**
 - **2. Through meeting of residents.**
 - students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? : **Yes.Feedback is utilized as a reflection of problems and shortcomings which is worked upon and solved at administrative level of the department.**
 - alumni and employers on the programs offered and how does the department utilize the feedback? : **Yes.Suggestions of Alumini are given due importance and utilized in formulating research and training programmes of the Department.**
43. List the distinguished alumni of the department (maximum 10):
- Dr. S. Bhaduri (Ex-HOD , KGMU, ELMC was chairman Indian College of Radiology Imaging)**
 - Dr. S.S. Sarkar (Padma Shri)**
 - Dr. S. S. Baijal (Director, Interventional Radiology, Medanta)**
 - Dr. Suchi Bhatt-UCMC, Associate Professor**
 - Dr. Amit Tripathi-Consultant, (Australia)**
 - Dr. Tulika Chandra –Associate Professor, (PGI Chandigarh)**
 - Dr. Sandeep Kumar Burathoki-DM Neuro-radiology-neurology in Dubai.**
 - Dr. Kaushal Kishore Rai IAS (DM, BeguSarai, Bihar).**
 - Dr. Shailesh kumar Singh is now working as officer in custom and excise in Faridabad**
 - 10. Dr. Anjum Syed is now working as Additional Professor in AIIMS, Rishikesh**
44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts: **CME, Basic skill work shop by MCI, Webinar, Guest Lectures, ATCOM based learning,Cochrane Workshop through EBM, BLS**
45. List the teaching methods adopted by the faculty for different programs including clinical teaching.
- Conventional Teaching**
 - Demonstration**
 - Audio-visual projection**
 - Group discussion**
 - Case based discussion**
 - Hands on Training**
46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored? :
- Feedbacks from students**
 - Evaluation through viva-voce, MCQs, Seminars, Journal club, written exam**
 - External Examination.**
47. Highlight the participation of students and faculty in extension activities.

- a) **Interdepartmental activities (EBM, Clinico-patho-Radiological meet, Tumor board, BLS)**
- b) **Foundation day celebrations: CMEs integrated teaching Workshops & conferences.**

48. Give details of “beyond syllabus scholarly activities” of the department.

- a) **Basic Life Support/Advance Cardiac Life Support course**
- b) **Evidence Based Medicine**
- c) **Attitude and Communication (ATCOM) workshop**
- d) **Clinical Grand Rounds**
- e) **Continuing Medical Education courses**

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.
: **MCI**

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied. **Department is extensively working in the field of pediatric radiology, Neuro Radiology, osteoarthritis, multiparametric MRI in prostate cancer, Interventional Radiology in Women radiology etc.**

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength

- Department caters to the need of more than million population of Uttar Pradesh, especially the eastern and the central region.
- Annual case (per annum)

Name of Test	Year-2017
MRI	15720 (Approx)
BMD	888 (Approx)
X-Ray	290571
C.T Scan	53450
USG	60504
Mammography	1260

- Competent and qualified faculty
- Round the clock emergency services
- Interventional radiology
- Women’s Radiology
- Regular UG and PG teachings.

Weaknesses

- Shortage of manpower –Both at faculty & Resident
- Scarcity of trained paramedical and nursing staffs
- Departmental is multi-focal due to lack of space which is against MCI.
- Equipment deficient -3T MRI + 256 Slice CT Scan
- Faculty running MD, DMRD, Diploma in X-ray, CT and MRI and 6 on with USG course under PCPNDT

Opportunities

- Huge pool of patients to be served and involved in research
- Interaction with international faculty and eminent speakers through CMEs, guest lectures

- Basic and Advance skill Workshop

Challenges

- Overload of patients& teaching work.
- Emergency and trauma care
- To establish a centralized department
- Starting PDCC (IR) & PDCC (Neuroradiology)

52. Future plans of the department.

- We want to make department a world-class facility in:
 - a. Patient Care
 - I - Digital and online accessible patient record keeping
 - b. Research
 - i. Development of clinical , genetic and molecular research
 - ii. New innovations in early diagnosis & management of the diseases.
 - iii. Innovative modification of sandwich Embolization techniques for branch of visceral artery Pseudoaneurysm.

4. Declaration by the Head of the Institution

I certify that that the data included in this Self-Study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.



Signature of the Head of the institution

With seal:

Vice Chancellor

King George's Medical University, Uttar Pradesh
Lucknow

Place: Lucknow

Date: