

Evaluative Report of the Department of Medical Sciences

1. **Name of the Department:** Medical Sciences
 - Human Anatomy, Physiology & Biochemistry
 - General Pathology & Microbiology, Pharmacology
 - General Medicine, General Surgery

2. **Year of establishment** : 1992

3. **Is the Department part of a college/Faculty of the university?**
 Yes, It is a part of D.A.P.M.R.V.Dental College which is affiliated to the Rajiv Gandhi University of Health Sciences, Bangalore.

4. **Names of programs offered (UG, PG, Pharm D, Integrated Masters; Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty Fellowship, etc.)**
 UG: BDS
 PG: MDS, PG Diploma.

5. Interdisciplinary programs and departments involved --

| Departments | Other Departments involved |
|--|--|
| Enchancing Basic Knowledge related to Medical Sciences as applicable to Dental Skills and Managing Dental patients | |
| Human Anatomy, Physiology & Biochemistry | All Dental Departments and General Surgery & General Medicine |
| General Pathology & Microbiology, Pharmacology | |
| Enchancement of clinical skills and advancing Medical knowledge | |
| General Medicine | All Dental Departments Allied Medical Departments like Neurosurgery, Orthopaedics, ENT etc. |
| General Surgery | |

6. **Courses in collaboration with other universities, industries, foreign institutions, etc –Nil**

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. Basic medical sciences classes conducted for Post-graduate and PG Diploma students of all the dental departments.**
 Post Graduate students from the specialities of Oral & Maxillo-Facial Surgery, Oral Medicine & Radiology and Oral & Maxillo-Facial

Pathology are trained by the faculty of General Medicine and General Surgery.

Basic medical sciences classes conducted for Physiotherapy and Nursing students by Anatomy, Physiology, Biochemistry and Pharmacology Departments.

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

| | Filled | Actual |
|-----------------------------|---------------|---------------|
| Professor | 5 | 5 |
| Associate Professor/Reader | 3 | 3 |
| Assistant Professor | | |
| Lecturer | 8 | 8 |
| Tutor / Clinical Instructor | | |
| Senior Resident | | |

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.Bhagyalakshmi G | M.B.B.S,MS,ANATOMY & FAIMER FELLOW | Professor & Head | Human Anatomy | 21 -06 |
| Mrs.Rohini Y.N. | MSc,Medical Anatomy,Diploma in Medical Transcription-P.C.D.I | Lecturer | Human Anatomy | 04-05 |
| Dr.Gokuldas nayak | MBBS | Lecturer | | 01-03 |
| Dr.Preethi Hegde | M.Sc., M.Phil, Ph.D | Reader | Human Physiology | 07-01 |
| Mrs.Nirmala | M.Sc.(Ph.D) | Lecturer | Human Physiology | 06-06 |
| Dr. Vijaykumar | MBBS, DA, DNB Physiology | Lecturer | Anaesthesia | 01-03 |
| Mrs Lakshmi Narasimhan | M.Sc. M.Sc | Lecturer | Biochemistry yogic science | 20 04 |
| Dr. M B Bharathi | MBBS, MD, PATHOLOGY | Professor | MD-Pathology | 16-08 |
| Dr. Y.A.Krishna veni | MBBS | Lecturer | | 01-03 |
| Ms.Savithri | M.Sc Medical Microbiology | Lecturer | MSc.Medical Microbiology | 04-00 |
| Dr Veena KS | M.D Pharmacology | Professor | Pharmacology | 20-02 |
| Dr.S.H.Srinivas | MBBS | Lecturer | | 01-03 |
| DR. P Jayaprakash | MBBS, MD | Professor | General medicine | 22-00 |

| | | | | |
|------------------------|-----------------|---------------------|------------------|-------|
| Dr.Raghavendra Prakash | MBBS, DNB, FICM | Associate prof | General medicine | 01-00 |
| Dr.Giridhar Shenoy | MBBS MS | Professor | General Surgery | 13-00 |
| Dr.Vasanthkumar | MBBS MS FRCS | Associate Professor | General Surgery | 00-08 |

1. List of senior Visiting Fellows, adjunct faculty, emeritus professors - Nil

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

3. Program-wise Student Teacher Ratio

| | | |
|------------|---|------|
| I B.D.S | - | 1:04 |
| MDS | - | 1:1 |
| PG diploma | - | 1:1. |

4. Number of academic support staff (technical) and administrative staff: sanctioned, Filled and actual

| | Filled |
|----------------------|---------------|
| Administrative Staff | 02 |
| Technical Staff | 02 |
| Nurses, OT staff | 5 |

5. Research thrust areas as recognized by major funding agencies-

A project with the department of oral and maxillofacial surgery & General Pathology funded by ICMR-Bone regeneration in extraction sockets using autologous platelet rich fibrin gel

6. 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.

One- Faculty from General Pathology

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration

b) International collaboration

NIL

01. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

A project with the department of oral and maxillofacial surgery & General Pathology funded by ICMR-Bone regeneration in extraction sockets using autologous platelet rich fibrin gel

02. Research facility / centre with ;

- **state recognition**
- **national recognition**
- **international recognition**

Nil

03. Special research laboratories sponsored by / created by industry or corporate bodies - NIL

04. Publications:

Number of papers published in peer reviewed journals (national /international) – 07

1. **Preethi Hegde**, Kulvaibhav Singh, Snehe Chaplot, Sumantra Chattarji, BSS Rao, Bindu M Kutty and Laxmi T Rao; Stress-induced changes in sleep and associated neuronal activity in rat hippocampus and amygdala. *Neuroscience* 153 (2008) 20–30.
2. **Preethi Hegde**, Jayakrishnan H.R., Sumantra Chattarji, Bindu M Kutty, and T. R. Laxmi, Chronic Stress-Induced Changes in REM Sleep on Theta Oscillations in the Rat Hippocampus and Amygdala, *Brain Res.* 1382 (2011) ,155-164.
3. **Nirmala**, Shankar Bhat, Neevan D’Souza, Assessment of cardio respiratory fitness status and its correlation with body mass index in Adolescent Asian Indian population, *Journal of Chinese medicine.* 5 (2010), 591-595.
4. **Nirmala**, Shankar Bhat, Urban D’Souza, Effect of long term administration of aluminium chloride on oxidative stress and acetyl choline esterase activity in rat brains. *IJPBS*, 3 (1) (2013), 616-622.
5. **Nirmala**, Shankar Bhat, Urban D’Souza, Evaluation of nootropic effect of evolvulus alsinoides in rats. *IJUPBS*, 2(5), (2013) 1-12.
6. **Nirmala**, Shankar Bhat, Urban D’Souza, Evaluation of the possible protective and therapeutic influence of evolvulus alsinoides on learning and memory against Alzhiemers disease induced by aluminium chloride in rats. *IJPBSRD*, 1(4), (2013) 13-25.
7. Lakshmi Narasimhan, R Nagarathna, HR Nagendra, Effect of integrated yogic practices on positive and negative emotions in healthy adults. *International journal of yoga* 2011; vol 4 : 13-19.

..Monographs- NIL

..Chapters in Books-04

..Journal reviews:05,

Abstracts-12

..Books with ISBN with details of publishers

..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 – 24

..SNIP

..SJR

..Impact Factor – 7-8

..h-index-2

05. Details of patents and income generated - NIL

06. Areas of consultancy and income generated

Basic Medical Sciences Classes for the students of Bachelor of Physiotherapy and BSc Nursing.

07. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad. Visited

Dr.G.Bhagyalakshmi

- The university of Singapore,Singapore
- Duke University,DURHAM,USA
- University of Chapel Hill,NC,USA.

Mrs.Rohini.Y.N

- James Madison University, Virginia
- Roanake University,Richmond
- UVA ,Charlottesvillesity
- Washington University,Washington DC
- Boston University,Boston

Dr.Bharathi M.B.

- Attended the INDO-US Symposium on Good Laboratory Practice organized by INDO-US Science and Technology Forum, National GLP Compliance Monitoring Authority and Sree Chitra Tirunal Institute for Medical Sciences and Technology from 5th to 7th March 2008 at Trivandrum, Kerala, India.
- Participated in Two days workshop on Stem cells and its Applications and Apoptosis with hands on training on Stem cell extraction, Enrichment and culture, held at Sheshadripuram first grade college, Bangalore, Karnataka, India on 4th & 5th sept. 2008, organized in association with Department of IT, BT, S&T, Govt. of Karnataka.
- Visited the Laboratories at Indian Institute of Science, Jawaharlal Nehru Centre for Advanced Scientific Research and Narayana Nethralaya-II to learn about the stem cell research scenario in Bangalore and Interacted with Heads of the departments in the respective institutes as coordinator, Scientific Research Committee, DAPMRV Dental College.
- Worked on Molecular biology techniques as a Visiting-Fellow at Vascular Biology Lab, Jawaharlal Nehru Centre for Advanced Scientific Research 2008-09, Jakkur, Bangalore, India.

08. Faculty serving in National Committee

Anatomy

- a) **National committees** - Member of Anatomical Society of India,
- b) **International committees** - Member of AACA,Member of Med ed world
- c) **Editorial Boards** - Nil
- d) **any other (specify)** - Member of KCA,

Biochemistry

- **National committee:** Nil
- **International committee:** Nil
- **Editorial Board:** Nil

Any other:

- Examiner at SVYASA uni for I BNYS Students
- Uni syllabus- Faculty has taken part at RGUHS several times for restructuring syllabus
- Comedk – In various capacity as invigilator, squad , room suptd.,deputy chief suptd.for conducting UG & PG entrance exam

Physiology

a) **National committees**

- Member of Indian Academy of Neurosciences (IAN)
- Member of Association of Physiologists and Pharmacologists in India
- Treasurer APPI Bangalore Branch

b) **International committees -**

c) **Editorial Boards - Nil**

d) **any other (specify) -**

Pathology:

a) **National committees**

- Dr. M B Bharathi. Member-Indian Association of General Pathology and Microbiology.
- Member of –IMA –Karnataka chapter.

b) **International committees-NIL**

c) **Any other (specify) - IRB –Member of Karnataka chapter – IAPM.**

Microbiology

a) **National committees – Nil**

b) **International committees -Nil**

c) **any other (specify) - Coordinator for RGUHS UG Theory answer paper valuation.**

Pharmacology

a) **National committees**

b) **International committees**

c) **any other (specify)- Member of institutional review board**

27. Faculty recharging strategies (Refresher / orientation programs, workshops, Training programs and similar programs).

Dr.Preethi Hegde

1) INTERNATIONAL Poster Presentation

Hegde Preethi, T.Rao Laxmi (2009) The effects of enriched environment on contextual fear learning and extinction. Society for Neuroscience Abstracts

(b) NATIONAL Poster presentation

- Hegde Preethi, Shankaranarayana Rao BS, Kutty BM and Laxmi TR (2006) Effect of acute immobilization stress on neuronal activities of the hippocampus and amygdala during sleep-wakefulness cycle in rats. Proceedings of Third NBRC International Conference. December 13-15, New Delhi. 3:121.
- Laxmi TR, Hegde Preethi, Shankaranarayana Rao BS and Kutty BM (2006) Neural correlates of REM sleep following acute immobilization stress. Indian Journal of Physiology and Pharmacology. 52 (5): 51.
- Hegde Preethi, Shankaranarayana Rao BS and Kutty BM (2007) Sleep associated changes in the amygdalohippocampal circuit following exposure to acute immobilization stress in male Wistar rats. Third National Conference of Indian Society for Sleep Research, December 16th, NIMHANS, Bengaluru.
- Hegde Preethi, Rao Laxmi T (2010), 5th Congress of FOANS and 28th Annual Meeting of Indian Academy of Neurosciences 17: 3 Timing of environmental enrichment exposure affects extinction of fear memory in rats.
- Nirmala, Shankar Bhat, Cardio respiratory fitness and HRV in amateur athletes, 22nd annual conference of physiological society of India and 2nd biennial conference of south Asian association of Physiologists 2010
- Preethi Hegde, Veena LR, Maulishree Agrahari, T.Rao.Laxmi, Bindu M.Kutty. The Effects of Subiculum Lesion on Spatial Learning and Sleep Architecture. IAN Symposium on Neurobiology of Cognition, NIMHANS, Bangalore, 1 -2 Nov 2012.

CONFERENCES AND TRAINING PROGRAMMMES ATTENDED

Dr. Preethi Hegde

- Completed a Certificate course on “Care, Breeding and Management of Laboratory Animals” from Central Animal Research Facility, at NIMHANS, Bangalore, India.
- Second National Conference of Indian Society For Sleep Research (6th and 7th Sept 2002), NIMHANS, Bangalore, India
- Symposium on Emerging Trends in Neurosciences and xxiii Annual Meeting of Indian Academy of Neurosciences, (11th-14th Dec 2005), Department of Biophysics, NIMHANS, Bangalore, India.

- IBRO-VLTP Certificate Course in Neuroscience, (24thAug-1stSept 2005), NIMHANS, Bangalore, India.
- Third NBRC International Conference, National Brain Research Centre, Manesar, Haryana (December 13-15th, 2006). Presented a poster entitled “Effect of Acute Immobilization Stress on the neuronal activities of the Hippocampus and Amygdala during Sleep-Wakefulness Cycle in Rats.
- Third National Conference of Indian Society for Sleep Research (ISSR 2007), NIMHANS, Bangalore (December 16th 2007). Presented paper entitled “Sleep associated changes in the amygdalohippocampal circuit following exposure to acute immobilization stress in male Wistar rats”
- Society for Neuroscience 2009, presented a poster entitled “The effects of enriched environment on contextual fear learning and extinction.”
- 5th Congress of FOANS and 28th Meeting of Indian Academy of Neurosciences presented a poster entitled “Timing of environmental enrichment exposure affects extinction of fear memory in rats”.
- National Sleep Medicine Course, NIMHANS, Bangalore, Dec15th - 16th 2012
- IAN Symposium on Neurobiology of Cognition, NIMHANS, Bangalore, 1 -2 Nov 2012.
- World Women in Neuroscience, NIMHANS, Bangalore, Nov3rd 2012.
- ICMR workshop on Biomedical Communication, 23rd March 2013, NIMHANS, Bangalore.

Nirmala

CME

- “Pathophysiology of hypertension and recent advances in its management’, 20 March 2004.
- ”Medicolegal CME”, 18 Nov 2006.
- Stress, 25 Nov 2006
- An update in electrophysiology, 20 Jan 2007.
- Electrophysiology, 19 Oct 2007
- Physiology and Yoga, 21-23 Feb 2008
- Nanoscience and Technology, 23-24 March 2009
- Frontiers lectures in Neuroanatomy, 10 Aug 2009
- Research methodology and statistical Techniques, 23-24 Oct 2009

Workshops and Training Programmes

- National workshop on excellence in medical education for best health care 18 Jan 2009.

- Workshop on study design for evaluation of drugs acting on Central Nervous System in animals. 29 Aug 2009
- Workshop on micronuclear essay 26 Feb 2010
- Alkaline Comet essay 26 Feb 2010
- Workshop on genes, genomics and proteomics 28-29 Jan 2011
- Educational technology for health professionals 7-8 Sept 2011
- Training on “Basic understanding of Yoga Techniques and training in Neurophysiological Techniques relevant to Yoga Research.

Dr.G.Bhagyalakshmi

- FAIMER FELLOW,
- Attended Training of Trainers programme conducted by RGUHS.
- Regularly attended Workshops, conferences and CDE programmes

Mrs.Lakshmi Narasimhan

- Faculty attend orientation programs & syllabus revision programs conducted by the Rajiv Gandhi University of Health Sciences, Bangalore.
- Faculty has attended the training of teachers (TOT) programs conducted by Rajiv Gandhi University of Health Sciences, Bangalore.
- Faculty has attended conferences, continuing education programs and workshops related to the specialty (biochemistry & yoga).
- Has been a guest speaker on the topic Health and Nutrition for Income tax office staff 12.7.09.
- Has been a guest speaker on the topic Health and Nutrition for Indian revenue officer on 18.8.09.
- Has conducted training programme for students of diploma in food technology course conducted by All India Institute of local self government – 6.8.09
- Has conducted a talk at DAPM RV DENTAL COLLEGE on student friendly colleges after attending the workshop sponsored by U.G.C
- Has been a resource person in panel discussion : WHO DAY. TOPIC : Ageing and Yoga 8.4.2012
- All CME and CDE programmes conducted by DAPMRV dental college---- no. 16(2009 – 2014)
- RGUHS (23.9.09)--- Education programme on Helinet updates.
- NIMHANS (positive psychology unit) – 22.7.10
 - Promotion of mental health in college youth .
 - Youth empowerment workshop 28.3.11 .
- NIMHANS & Morarji desai national institute of yoga ,New delhi . principles of practice of yoga therapy for psychiatric disorders. 5.12.10
- Maratha Mandal Arts & Commerce college Khanapur, Belgaum --- U.G.C Sponsored workshop on student friendly colleges. 12.4.11
- FAIMER FACULTY 19.8.11
 - International & indigenous innovation in medical & dental education.
- SVYASA University Jigani 20.23/12/11
 - International conference on frontiers in yoga research and its application
- Ramakrishna Ashram 23.11.11

- Youth awareness program “Yuva Jagrati”

Dr.M.B.Bharathi

- Participated in the Clinical Dysmorphology and Advanced Clinical Cytogenetics course organized by Centre for Human Genetics, Bangalore, from 4th to 7th March 2009.
- Attended a workshop on Training of Trainers for teachers in educational science and technology conducted by RGUHS from 23rd to 25th June 2009 at DAPMRV Dental College.
- Participated in a Training Programme on Research Methodology, Data Management and Biostatistics on 8th & 9th of Jan 2010 held national Institute of Animal Nutrition in Collaboration with NIMHANS.
- Participated in a Consultative Workshop on Restructuring of BDS Regulations 2007 as a faculty organized by RGUHS, Karnataka in association with DCI on 6th June 2011 at Dhanvanthri Hall. RGUHS.
- Workshop on Medical/ Dental Education – by FAIMER (Foundation for advancement of International Medical/ Dental education and Research) held at D.A.P.M.R.V. Dental college on 19th and 20th August 2011.
- 1st National Hands-on Workshop on Diagnosis of Hirschsprung’s Disease and Allied disorders organized by the department of Pathology and Paediatric surgery, St. John’s National Academy of Health Sciences, Bangalore on Feb. 6th-7th, 2010.
- Training Programme for “Implementation of Accreditation standards for Dental Health-care and Service Providers (DHSP) on 8th and 9th Oct.2012, conducted by National Board of Hospitals and Health-Care providers (NABH)-QCI organized by quality Assurance Cell – RGUHS at DAPMRV Dental College in association with Quality Council of India.
- Deputed as a faculty member for Brainstorming session held on 16th July 2012 to develop Central Research Laboratory at RGUHS.
- Regularly attended Workshops, conferences and CDE programmes conducted at DAPMRV Dental college.

Mrs.Savithri

- Workshop on Medical/ Dental Education – by FAIMER (Foundation for advancement of International Medical/ Dental education and Research) held at D.A.P.M.R.V. Dental college on 19th and 20th August 2011.
- Regularly attended Workshops, conferences, and CDE programmes conducted at DAPM RV Dental college .

Dr.K.S.Veena

- CDE programme on Innovations in Daily Oral Care “Novamin Technology” D.A.P.M.R.V. Dental college 2013.
- CDE programme on “ Oral hygiene day celebration ” RV dental college on 1st August 2013

- CDE programme on “Medical emergency in dental practice and occlusion” RV dental college on 7th December 2013.
- “ Advanced head and neck imaging” RV dental college on 11th November 2013
- Pledge Day- Alliance for a cavity free future at RV dental college on 31st October 2013
- “Use of calcium phosphosilicate in treatment of dentinal hypersensitivity at RV dental college on 2nd may 2013
- Recent advances in dental caries diagnosis and non surgical treatment at RV dental college on 29th September 2013
- ."BASIC LIFE SUPPORT (BLS/CPR) PROVIDER PROGRAMME" 15th & 16th feb.2010 D.A.P.M .R. V. Dental college and Hospital, Bangalore .
- Indian Academy of Oral and Radiology, 30th October 2010. At R V dental college
- Infection Control- From Regulations to Dental Practice” D.A.P.M.R.V. Dental college on 18th November 2011
- Dry mouth – An Emerging Epidemic D.A.P.M.R.V. Dental college on 18th November 2011
- CDE programme on “ Cytokines and Other Markers of Inflammation” and “Laboratory Diagnostics in Periodontology” D.A.P.M.R.V. Dental college on 20th January 2012.
- CDE programme on “All Ceramic Restoration” R.V dental college on 4th june 2010
- “Medical/Dental Education- by Faimer Faculty RV dental college on 19th and 20th august 2011
- CDE programmme on “Principles of oral rehabilitation” 3rd and 4th of February 2012 at RV dental college
- CDE programme on “ dental ceramics and CAD/CAM Revolution” 15th may 2012 at RV Dental college.
- and
- Curriculum development programme- Restructuring of BDS syllabus held at RGUHS during june 2011.

General Medicine & Surgery

Regular attendance of seminars, conferences, workshops and symposiums.

23. Student projects – Not Applicable

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

Dr. Preethi Hegde

1. Dr R N Moorty award for the year 2007 for securing highest marks in post graduate degree (M.Phil.)in Neurophysiology.
2. Dr B K Anand Research Prize for the year 2008, for the paper entitled “Stress-induced changes in sleep and associated neuronal activity in rat hippocampus and amygdala”. Neuroscience 153 (2008) 20–30.

3. FOANS-2010 Overseas Travel Fellowship Award to attend 5th Congress of FOANS and 28th Meeting of Indian Academy of Neurosciences, Lucknow, India, Nov 2010.
4. IBRO Alumini best poster prize for the paper entitled “Timing of environmental enrichment exposure affects extinction of fear memory in rats”.at Congress of FOANS and 28th Meeting of Indian Academy of Neurosciences, Lucknow, India, Nov 2010.

Dr.G.Bhagyalakshmi:

- FAIMER FELLOW of 2011 awarded by FAIMER Institute,Philedelphia,USA.

Dr.M.B.Bharathi:

- Visiting fellowship- JNCASR

Mrs Laksmi Narasimhan

- Mrs Laksmi Narasimhan is awarded degree M.S.C in yogic sciences - 2011 by SVYASA University Jigani , Bangalore
- Is awarded cash prize of Rs 3000 and a plaque for completing the degree and publishing paper in international journal by DAPM RV DENTAL COLLEGE.

25. Seminars/ Conferences/Workshops organized and the source of funding (National / International) with details of outstanding participants, if any.

Dr.G.Bhagyalakshmi - FAIMER fellowship/ workshop conducted for faculty of DAPMRVDC.

26. Code of ethics for research followed by the departments-IRB & RGUHS Norms & guide lines

As per guidelines of ICMR / RGUHS

27. Student profile program-wise:

| Name of the Program (refer to question no. 4) | Applications received | Selected Male/ Female | Pass percentage Male/ Female |
|---|-----------------------|-----------------------|------------------------------|
| BDS - UG | Not applicable | | |
| | | | |

28. Diversity of students

| 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 |
|---|--|--|---|------------------------------------|
| BDS | Not applicable | 145 | 172 | 19+11=30 |

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.

- Dr.Murali Krishnan.
- Dr.Aniket

35. Student progression : Not applicable

| Student progression | Percentage against enrolled |
|--|-----------------------------|
| UG to PG | |
| PG to M.Phil, DM / M Ch / DNB | |
| PG to Ph.D. | |
| Ph.D. to Post-Doctoral | |
| Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment | |
| Entrepreneurs | |

36. Diversity of staff

| | |
|--|------|
| Percentage of faculty who are graduates | |
| of the same university | |
| from other universities within the State | 100% |
| from universities from other States | |
| from universities outside the country | |

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period –

- 01-MPhil in Neurophysiology, NIMHANS, Bangalore
- 01- PhD in Neurophysiology, NIMHANS, Bangalore

38. Present details of departmental infrastructural facilities with regard to

- a) **Library** – Each sub-department of Medical Science has got its own departmental Library. Total No. of books available in all Medical Sciences is **358**
- b) **Internet facilities for staff and students-Yes**
Available in the library and the campus is Wi-Fi enabled
Department is equipped with a laptop and printer.
- c) **Total number of class rooms -04**
- d) **Class rooms with ICT facility - 04**
- e) **Students' laboratories – 05**
- f) **Research laboratories - ---Nil-----**

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

- a) **From the host institution/university - Nil**
- b) **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. - NA**
- 42. Does the department obtain feedback from...**
- a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**
Yes – Self appraisal of all the faculty including data regarding curriculum aspects periodically obtained from all the faculty
- b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**
Yes, the feedback from students on staff and teaching learning evaluation is collected on a regular basis. The analyzed data obtained from the feed back forms the basis for introducing newer teaching learning methodologies and other reforms required.
- c. Alumni and employers on the programs offered and how does the department utilize the feedback?**
Yes, the feedback from Alumni on course curriculum, teaching learning methodologies, faculty evaluation & infrastructure is collected on a regular basis. The analyzed data obtained from the feed back forms the basis for introducing newer teaching learning methodologies and other reforms required
- 43. List the distinguished alumni of the department (maximum 10)**
- i. Dr. Shipra
 - ii. Dr. Bareera
 - iii. Dr. Ankit
 - iv. Dr. Anu singh
 - v. Dr. Ashish chibbar
 - vi. Dr. Ashish varma
 - vii. Dr. Ashutosh
 - viii. Dr. Chiranjeevi
 - ix. Dr. Megha
 - x. Dr. Puja joshi
- 40. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts. –**
- 41. List the teaching methods adopted by the faculty for different programs including clinical teaching.**
Human Anatomy:
Conventional teaching methods are being continued and modern teaching methods are being implemented
- Black Board
 - Charts

- Slides
- Power point presentations .
- Integrated teaching done on selected topics
- Practical demonstrations
- Over head Projectors
- Group- wise projects
- Revision classes
- Journal clubs
- Clinical discussions
- Case discussion
- Interdisciplinary discussion
- Direct observation study
- Mini case evaluation
- **OSCE / OSPE**

42. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

- Outline of the curriculum as set by UG / PG committees are strictly adhered to.
- Continuous assessment with a minimum of 3 internal assessments annually along with class tests, Unit tests, Open book tests & Viva-voce are conducted regularly.
- Remedial classes, Parents teachers meetings, Continuous Performance Assessment cards & Mentorship programs conducted.
- Well structured feedback system forms the basis for monitoring & refining the quality of teaching/learning methods employed.

43. Highlight the participation of students and faculty in extension activities.

Human Anatomy:

- Cultural & Sports activities held at various levels,
- Student participation in workshops & conferences are encouraged.
- NSS activities
- Fun and extra curricular activities like Movie screening & excursions
- Celebration of various festivals reflecting different cultures are celebrated in the campus
- Faculty has organized about 350 free medical camps on Sundays under the banner of spiritual organization .
- Faculty has contributed a few articles of moral and spiritual values to the college magazine pendent.
- Active participation in blood donation camps organized in association with the Red Cross society, coordinated by faculty in our department.

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

Presenting awards to the best parents, Counseling the International students.

- Student seminar/ charts
- Reading articles of interest from magazines & newspaper

44. State whether the program/ department is accredited/ graded by other agencies? If yes, give detail - Not applicable

45. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Human Anatomy :

Faculty regularly upgrade their knowledge by attending CMEs, Conferences & programs conducted by Medical education cells.

Postgraduate dissertations

General Pathology:

1. *Basic/new knowledge is updated periodically as per the new editions of text books, so that we are able to transmit the recent happenings in particular topics to both undergraduate and postgraduate students.*
2. *Applied aspects of learning is useful for both undergraduate and post graduate students as they involve themselves with patient treatment, diagnosis, prognosis, clinical outcome after therapy etc.*
3. *as post graduate students interact with us for their dissertation work, approach us for suggestions and take help/guidance we are able to contribute for generating new knowledge.*

Microbiology:

- We help Postgraduate students in their research work.

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

STRENGTH

- The staff have participated in curriculum development programmes. restructuring of syllabus. staff have also acquired additional degrees/fellowships
- Staff are also involved in national international presentations, contributed chapters to textbooks
- Personal and academic counseling(mentorships) are being done regularly to promote all_round development of students
- Staff have been a major support in execution of various examination process and cultural activities
- Teachers endowment prizes have been instituted by the faculty in their respective subjects as also to the parents of the best outgoing student

Weakness

- No attached medical college, general hospital and animal house
- No internet accesability
- Dissection in anatomy not carried out by students

Opportunities

- Back-up attached medical college and hospital required to access teaching material
- Recruitment of additional manpower (teaching /non-teaching)
- Provision of English speaking classes for needy students
- Appointment of full time counselor in the campus
- Clinical diagnostic laboratory

Challenges

- To identify and resolve the academic and personal issues of the students providing solutions as it is bound to affect their academic performance
- To achieve 100% results
- To teach various streams of students.

47. Future plans of the department.

- Aim for 100% academic results
- Modernize the teaching methods
- To have better storage plan for the existing soft specimens
- To continue to extend personal and academic & moral counseling support.
- To implement international standards of teaching.
- Improve clinical lab facilities.
- To extend better support to enable the student to achieve moral, personal, and academic excellence.
- To encourage research work.