

COIMBATORE CAMPUS
Faculty of 'Disability Management and Special Education (DMSE)'

Information for UGC Expert Team Inspection Visit for inclusion u/s 12B of UGC Act, 1956

(1) Total No. of class rooms available (seminar room, meeting room, etc. may be mentioned separately)

Total number of class rooms – 8

Seminar room – 1

Assembly/ Meeting Hall - 2

(2) No. and details of Laboratories with brief description on the kind of work done therein, including computer laboratories

Number of Laboratories- 12

1. Psychology Lab

This lab consists of various psychological tests and inventories to test psychological variables such as intelligence, personality, attitude, aptitude etc. Teacher trainees are given hands on training to administer these tests especially on children with disabilities and make report.

2. Assistive Technology Lab

The Assistive Technology Lab is established at FDMSE which serves as

- A library of assistive devices for students with disabilities through which they can utilize these assistive devices for their educational needs
- An exhibition to create awareness among teacher trainees, students with disabilities and their parents regarding the new technological advancements in the field of disability management.
- A facilitator for research projects in interdisciplinary areas of assistive technology, special education and disability management

3. Audio Video Lab

A high tech audio-video laboratory was established in the year 2012 at FDMSE. Audio-video laboratory is equipped with recording facilities. There is a recording room and a control room in this laboratory. The parables and stories of Sri Ramakrishna and Swami Vivekananda in Indian Sign Language were videotaped in this lab. Other sign language lessons are also prepared in the lab.

All the therapy units such as Low Vision Unit, Special Education Unit for the children with mental retardation, Sign Language Unit, Speech Therapy Unit and Physio Therapy Unit serve

as laboratories for the teacher trainees as most of the practical work is related to the children with special needs.

4. Sign Language Unit

Vidyalaya pioneered the work in the field of education for the deaf by initiating a research project to develop the first comprehensive Indian Sign Language Dictionary in India. Ramakrishna Mission Vidyalaya published first Indian Sign Language Dictionary in 2001 followed by a Technical Sign Language Dictionary and Sign Language Dictionary for Physics and Banking Terminologies. FDMSE published these dictionaries to enable the students with deafness to develop their communicative skills, pursue their higher and technical education. Bilingual Sign Language dictionary in Hindi and Tamil was published during 2015 and Bilingual Sign Language Dictionary in English and Hindi was recently released during February 2016.

5. Audiology & Speech Therapy Unit

FDMSE provides speech therapy to students with communication, language and speech disorders. There are many audiological and aural/oral rehabilitation related equipments which help in providing practical exposure to teacher trainees

6. Braille Production Unit

A high speed computerized Braille production system, equipped with Braillo 650 SW and Index 4 X 4 Waves PRO Printer, prints Braille Books to help the visually impaired students studying from school to college level. Various spiritual books are also printed by this unit. A unique feature of this unit is preparation of tactile diagrams for school subjects which are incorporated in the Braille textbooks for facilitating effective learning among children with visually challenged.

7. Low vision Unit

Vision Screening and Assessment of Functional Vision for individuals with vision problems is carried out in this unit. Training on Braille reading and writing, use of optical & non-optical devices and screen reading softwares is offered to the needy individuals with visual impairment. The unit also provides rehabilitation services to persons with visual impairment in terms of their educational, functional, social and vocational needs.

8. Special Education Unit

The main aim of this unit is to develop various skills of children with mental retardation by using play, sensory stimulation and integration as means of learning. The children are trained in daily living skills, concept development, social interaction, behavioral modification, linguistic skills and play activities with peer groups.

9. Early Intervention Unit

Young infants with developmental disabilities are given extensive therapeutic intervention in this unit. Parents of the children also get training on various strategies to handle such children.

10. Vocational Training Unit

Adolescent students with intellectual disability get pre vocational training in skills such as preparation of greeting cards, artificial jewellery, shell craft etc.,. The objective of this unit is to prepare the students to be economically independent.

11. Physiotherapy Unit

Physiotherapy unit caters to the various needs of children with orthopedically handicapped, cerebral palsy, mental retardation and muscular dystrophy by using sophisticated equipments and various physio and electro therapy for accelerating the patient's recovery from injuries, disorders and anomalies. This unit also serves for providing practical exposure to teacher trainees of FDMSE.

12. Orthotic and Prosthetic Unit

Various kinds of orthotic and prosthetic devices are manufactured to help the individuals with motor impairment.

(3) Details of Library: No. of books, no. of journals, web-based access to resources provided or not, total built up area, e-journals and e-databases available, other printed journals and magazines, total no. of users, total no. of books issued yearly, no. of yearly visitors approximately.

No. of books : 10179

No. of journals: 46

Web-based access to resources provided or not: Yes

Total built up area: 226 Sq.Mts. (2430 Sq Ft.)

E-journals and e-databases available: Yes

Other printed journals and magazines:

The Faculty has been publishing a Peer Reviewed, Bi-annual journal namely, Journal of Disability Management and Special Education (JODMSE) with ISSN 2229-5143 for past five years which covers the areas of disability management and special education. The journal covers huge spectrum of disabilities and interdisciplinary areas.

RKMVU – CBE – Students' Magazine is an annual manuscript magazine. It is a compilation of original creative literary and art works by students of the Faculties of RKMVU-CBE. It includes poems, stories, drawings, essays, and other similar works by students. The original magazine is displayed in the library and the pdf version of the magazine is uploaded on the university website.

Total no. of users: 5958 / year
Total no. of books issued yearly: 1824 books / month
No. of yearly visitors: 20

(4) No. of students admitted in various courses during the last 3 years (male and female to be separately shown) - (Please refer Annexure -1)

(5) New educational and communication technologies used for teaching

Some new technologies deployed by FDMSE in enhancing student learning are the use of computers and internet such as emails and google groups for increased access to teachers, notes and resources. Screen reading softwares such as NVDA (Non Visual Desktop Access) and JAWS (Job Access With Speech) are installed in the computers for students with visual impairment.

FDMSE is committed to disseminate information and knowledge to the wide range of students by making use of its learning resources available online. Steps are taken to update the learning resources in the library with latest open educational resources.

Open educational resources: The details of learning resources available are uploaded on its official websites- <http://www.vivekanandauniversity-cbe.org> and www.indiansignlanguage.org. The following items can be accessed from our websites:

- Indian Sign Language Dictionary with more than 1600 signs.
- Physics Terminology in Indian Sign Language.
- Banking Terminology in Indian Sign Language.
- Thirty parables of Sri Ramakrishna and twenty stories of Swami Vivekananda in Indian Sign Language.

In addition, FDMSE has archived all the volumes of its official publication of a Peer Reviewed, Bi-annual journal namely, Journal of Disability Management and Special Education (JODMSE) with ISSN 2229-5143 in pdf format which is easily downloadable.

Directory of open access journals is also available at the library.

E-Learning: Online groups such as google groups have been used by faculty members to combine e-Learning experience along with face to face instruction. The online component included discussion and sharing of resources and assignments.

(6) Details of to what extent is the Faculty Centre computerized

- The FDMSE Library has computers with internet facility and accessibility features.
- E books and journals are available.
- Computer facilities with internet and printers are available in each staff room.
- In addition, audio-video and projector technology are provided in some classrooms where teachers can use computer aided teaching materials for instruction.

(7) Research and Extension facility and actual work done during the last 3 years

- A ‘Research & Consultancy Committee’ (RCC) is constituted to monitor and address issues related to research.
- FDMSE encourage interdisciplinary research. M.Ed teacher trainees have done research in the field of interdisciplinary research such as Yoga, Assistive Technology, Theatre Arts, Adapted Games and Sports, Neuroscience etc.
- Researchers of eminence from other institutions of the same campus (Ramakrishna Mission Vidyalaya Institutions) are invited as adjunct professors for handling courses in their areas of expertise.
- Senior researchers are invited as guest speakers and external examiners for PhD viva-voce examinations. They are also invited to interact with research scholars and also act as resource persons for seminars and workshops organized individually and collaboratively. Such interactions of eminent scholars enable the faculty members to venture into networking of further resources and nurturing conducive environment for undertaking innovative initiatives in research.
- FDMSE conducted a pilot project on corpus creation in Indian Sign Language (ISL) in collaboration with Central Institute of Indian Language (CIIL), Mysore, an organization fully governed by MHRD, Govt. of India. Keeping the needs of persons with deafness in view, CIIL took initiative to create corpora in ISL. Since FDMSE, RKMVU is the pioneer institute in the field of Sign language; the faculty was entrusted with the responsibility of carrying out this project. The main objectives of this research project were as follows:
 - ✓ To advice Central Govt. for recognition of ISL as a language of minority.
 - ✓ To provide digital video data this can function as standard reference for ISL researchers and teachers.
 - ✓ To create metadata about the ISL corpora.
 - ✓ To create an evidence base for ISL research and teaching
- Research facilities such as computer, internet, Wi-Fi, journals and periodicals of national & international repute and software packages for analysis, are made easily accessible to research scholars.

- All the departments are provided with separate laboratories utilized for both teaching and research.
- As per the suggestions and recommendations of IQAC, RCC, and feedback received from the stakeholders, efforts are made by the university to fulfill the requirements for conducting research.
 - Allocated funds are properly utilized exclusively for the purpose for which it is sanctioned.
 - Special incentives and seed money are provided to the researchers.
- Attempts are made for mobilizing financial resources to establish/strengthen the infrastructural and instructional facilities required for research activities.
- There is a specialized research block to promote research programmes and the Faculty also has the following facilities to conduct research.
 - ✓ Audio-Video Lab
 - ✓ Assistive Technology Lab
 - ✓ Psychology Lab
 - ✓ Vocational Centre for the adolescents with intellectual disability.
 - ✓ Various Therapy Units

• Details of Project Proposals Submitted to Various Funding Agencies from RKMVU-CBE - 2015

S. No.	Name of Principal Investigator	Funding Agency	Title of Project	Total Budget of Project
1	Dr. A. Sudha, Asst. Prof., RKMVU-FDMSE	Ministry of Social Justice and Empowerment (MSJE)	Curriculum for children with severe Intellectual Disabilities.	Rs. 19,84,500/-
2.	Dr. S. Parween Asst. Prof., RKMVU-FDMSE	Ministry of Social Justice and Empowerment (MSJE)	Effectiveness of soft skills training on the emotional intelligence among adolescents with visual impairment studying in rural inclusive schools in Tamil Nadu	Rs. 21,52,500/-
3.	Dr. J. B. Dheesha, Asst. Prof., RKMVU-FDMSE	Ministry of Social Justice and Empowerment (MSJE)	Development of adapted science experiments for improving skills in learning science of students with visual impairment at secondary levels.	Rs. 19,95,000/-
4	Dr. A. Sudha, Asst. Prof., RKMVU-FDMSE	National Institute for the Empowerment of Persons with Multiple Disabilities (NIEPMD)	Research on Efficacies of Handicraft activities on the improvement of self reliance of persons with intellectual disability	Rs. 5,00,500/-
5	Dr. S. Parween, Asst. Prof., RKMVU-FDMSE	Indian Council of Social Science Research (ICSSR)	Status of expanded core curriculum for children with visual impairment at primary level	Rs. 20,00,000/-

6	Dr. Srinivasan & Dr. R. Giridharan Asst. Professors., RKMVU-GAPEY	Department of Science and Technology – Science and Technology of Yoga and Meditation (DST-SATYAM)	Creation of Adapter Yoga and Meditation programme on physical, mental, and cognitive development of persons with intellectual disability	Rs. 20,23,600/-
7	Dr. Dheesha & Dr. Parween Asst. Professors, RKMVU-FDMSE	Indian Council of Social Science Research (ICSSR)	Status of educational opportunities for students with disabilities in selected districts of Tamil nadu	Rs. 20,00,000/-
8	Dr. Prabha & Kamakshamma Murthy, Asst. Professors, RKMVU-FDMSE	Submitted online to South Eastern Regional Office for UGC – Minor Projects	Effect of Tactile Stimulation on Concept Formation for Children with Visual Impairment and Learning Disabilities with Sensory Integration Problems	Rs. 3,00,000/-
9	Dr. Prabha, Asst. Prof., RKMVU-FDMSE	Ministry of Social Justice and Empowerment (MSJE)	Effect of Pre-Reading Experiences during Early Childhood on Reading Ability Development at Early Elementary Years for All Students	Rs. 20,00,000/-
10	Dr. Sudha, Asst. Prof., RKMVU-FDMSE & Dr. Srinivasan, Asst. Prof., RKMVU-GAPEY	Department of Science and Technology – Science and Technology of Yoga and Meditation (DST-SATYAM)	Yoga practices in improving cognitive, affective, and psychomotor domains in learning for children with intellectual disabilities.	Rs.33, 24,000/-
11	Dr. R. Giridharan & Dr. M. Srinivasan Asst. Professors., RKMVU-GAPEY	Department of Science and Technology – Science and Technology of Yoga and Meditation (DST-SATYAM)	Effects of Yogic Practices on Motor Fitness and Pulmonary Function of adolescents with Cerebral Palsy	Rs.40,35,830/-

(8) Publications of faculty during the last 3 years - (Please refer Annexure -2)

(9) Ongoing research project with source of funding

Funded Project	Year	Name of the project	Name of the funding agency	Total grant received
Post-Doctoral Fellowship Project	2012 - 2016	Executive Functions in preschool-aged Indian children	Department of Science and Technology under Cognitive Science Research Initiative (DST - CSI)	Rs.12,48,000/- (Rupees Twelve Lakh and Forty Eight Thousand only)

(10) National and international linkages (Please refer Annexure -3)

(11) Conferences and Workshops organized/attended by the faculty during the last 3 years- (Please refer Annexure -4)

(12) Details of non-teaching staff appointed and serving - (Please refer Annexure -5)

(13) Facilities for students

Accessibility for students with disabilities:

- Accommodations in infrastructure and teaching learning material adaptations are provided for students with disabilities enrolled in the programmes.
- NHFDC scholarships are made available for students with disabilities through liaison officer for their educational purpose.
- Students from SC/ST communities and economically weaker sections may leverage scholarship/financial aid through bank loans arranged by a liaison officer for pursuing the course.
- Further, in research programmes, students are encouraged to apply for the University Fellowships as well as scholarships from government agencies such as UGC.

Library

- Library equipped with sufficient number of books
- Adequate number of computers with internet facility

Communication Skills

Communicative English, as a value added course, is conducted with the aim to enhance the communicative skills in English among student teachers and this in turn, facilitates better employment and success in their professions. This course is conducted by each department.

Grievance Redressal Committee

- This is formed to address the various grievances of students related to examination in addition to other issues. The committee holds meetings twice a semester along with students. The issues related to the examinations are brought to the notice of the heads of the institution and to the controller of examinations who then take the appropriate measures to address the examination related grievances.

Anti Ragging Committee

- This committee addresses the issues of ragging.

Vivekananda Study Circle

- To present lectures and discussion on various aspects of teachings of national and spiritual importance.

Cultural Club

- To provide opportunities to students to showcase their talents and develop their aesthetic creativity and team work in presenting cultural programmes.

Literary Club

- To develop and showcase the literary talents in students and staff members of the Faculty

Environmental Education Club

- To create awareness about environment and develop sensitivities towards nature and conservation among student teachers.

Parents Teachers Association

- This promote interaction between parents and teachers with a view to provide best opportunities and services to students.

Guidance & Counselling

- ***Tutor ward meeting:*** In these meetings, besides academic feedback, individual problems of the students are discussed and guidance is given to effectively deal with the problems.
- ***Youth Convention:*** A three day residential camp is conducted at Vidyalaya every year where students participate with great enthusiasm. Various lectures, debates on themes like character building, national integration and personality development are organized in order to foster their psycho - social development. During this occasion students are given opportunities to interact with various groups through sports, cultural and literary activities. The experience in this camp, as per the feedback from students, cultivates qualities like leadership ability, right temperament, empathy etc.
- In addition, faculty members provide mentorship and counselling to students on an as-needed basis.

(14) Sports & Games facilities

FDMSE provides infrastructural facilities and opportunities to promote students' interest in sports and games activities:

Infrastructural facilities:

- Each Hostel has adjacent playground separately for boys and girls. In addition to this, two large common playgrounds are also available.
- There is a multipurpose indoor stadium used for conducting mega national/international sports events which can accommodate more than 2000 audience.
- A well equipped common gymnasium with latest gadgets of international standards is available.

Opportunities

- University conducts **mini marathon** regularly every year.
- **Youth rally** is organized on every national youth day.

(15) Hostel facilities for students (both male and female)

S.NO	Name of the Hostel	Number of Occupants
1	Swami Vivekananda Hostel (Male)	6
2	Sri Sarada Devi Hostel (Female)	13

(16) Other facilities (for teachers, students, any others)

- The faculty members are given adequate opportunities to strengthen and update their professional skills through participating in various conferences, seminars, symposia, workshops, CRE (Continuous Rehabilitation Education) programmes, and other staff development programmes offered by other institutions.
- All the teaching and non-teaching staff are provided with internet facilities through wi-fi which enhance their professional development.
- In order to improve their competence in research, teaching staff members are given hands-on training about various statistical analysis packages, preparing research project, various funding agencies and use of recent ICT in education.
- Faculty members are encouraged to participate as resource person in the Orientation Programmes and Refreshers courses organized by Academic Staff College of other Universities.
- Welfare schemes such as provident fund and medical insurance are available for teaching and non-teaching staff.

(17) Any other information in support of our application (uniqueness, special features, future developments envisaged, etc.)

The following infrastructural facilities are shared by the FDMSE and GAPEY.

- **GKD Auditorium:** A large spacious disabled friendly auditorium with a capacity over 600 is the place where programmes such as annual day, cultural events and seminars of the Faculties are organized. The auditorium has theatrical ambience best suited for event organization.
- **Indoor stadium:** An Indoor stadium of international standards in which there is a provision for playing basketball, shuttle, volley ball etc. This Indoor Stadium serves multiple purposes, the gallery of which can accommodate over 2500 students. The convocation of the Faculties, sports events, adapted games and unified play day for the persons with disabilities are conveniently organized here.
- **Gymnasium:** Well equipped gymnasium facilitates physical fitness among the students and staff. It has the following modern equipments:
 - ✓ Dumbbells,
 - ✓ Bars – Plates,
 - ✓ Rowers,
 - ✓ Circuit strengthener (Lower limbs),
 - ✓ Circuit strengthener (Upper limbs),
 - ✓ Pec.dec strengthener,
 - ✓ Ab.curl,
 - ✓ Biceps curl,
 - ✓ Leg press,
 - ✓ Horizontal bar,
 - ✓ Vertical bar gadgets etc.
- **Playgrounds:** Various playfields supporting the play of games such as Football, Basketball, Tennis Outdoor, Hockey, Kho- Kho, Cricket, Throwball, Long Jump, Triple Jump, Ball Badminton, Tennikoit, Netball, Volleyball, Kabaddi, Handball cater to the sports and recreational needs of students.
- **Ramayana Park:** In this park, children are introduced to various incidents of Ramayana through play way method, aided with story scripts displayed and audio description for children with visual impairment. Children studying in schools in and around Coimbatore and those passer-by make it appoint to visit this park. Children are virtually transported to the ages of Ramayana, keeping their joy of play intact.
- **Swami Vivekananda Park:** It is a recreation park with the tall statue of Swami Vivekananda where public and inmates spend their leisure time in quiet. The park serves the purposes of recreation and relaxation.
- **Dispensary:** The charitable dispensary caters to a population of around 8000 students and 800 staff members and their families besides a large number of underprivileged people residing in the surrounding areas. In addition to regular general consultation, the dispensary also offers consultation by specialists in the areas of orthopedics, neurology, pediatrics, cardiology, gynecology, diabetes, skin, asthma, dental, eye, ENT, general surgery, etc. On an average, around 150 patients visit the dispensary for consultation every day. As part of the medical services, many free medical camps are held for the benefit of the underprivileged.

Special features of innovation

Online Stories in Indian Sign Language (ISL):

Fifty parables and stories of Sri Ramakrishna Paramahansa and Swami Vivekananda into Indian Sign Language which are uploaded on one of official websites of FDMSE-www.indiansignlanguage.org as open source material.

Assistive Technology Lab

- It is a unique laboratory in which various assistive devices are exhibited and used for the educational needs of students with disabilities.
- It also creates awareness among teacher trainees, students with disabilities and their parents regarding the new technological advancements in the field of disability management.

Certificate Course in Assistive Technology (CCAT)

One year Certificate Course in Assistive Technology is being offered by the Faculty which is inter-disciplinary in nature. This course provides firsthand experience in dealing with assistive technology devices for persons with special needs. Candidates with or without disabilities may undergo this course. The candidate after training is expected to learn about a wide range of Assistive Technology applications at home, school, workplace, and community environments which suit the individual needs of persons with disabilities.

Educational Exhibitions

FDMSE and GAPEY organize educational exhibitions for the public on unique socially relevant topics which creates awareness on issues related to special education, disability management and adapted physical education among public during Gurupuja, a public socio-cultural event which is organized to observe the birthday celebration of Sri Ramakrishna Paramahansa every year.

Value Education

Weekly value education classes are conducted to create awareness about India's rich heritage, messages and teachings of ancient sages and scriptures on teachings of spiritual leaders and eminent scholars of various fields. This helps students to appreciate our rich cultural and national heritage.

Extension Activities

National level seminars, conferences and workshops are organized for the benefit of in-service special and general educators, parents and other stakeholders to update their knowledge in the profession of special and inclusive education.