MALLA REDDY VISHWAVIDYAPEETH
(Deemed to be University)
Hyderabad

SCHOOL OF NURSING SCIENCE AND TECHNOLOGY

FELLOWSHIP IN

NEONATAL AND PEDIATRIC CARE NURSING

Curriculum 2026

Programme particulars	
Level	Post-registration fellowship (nursing)
Duration	26 weeks (6 months) – 1,000 hours
Structure	Theory 100 hours · Simulation laboratory 60 hours · Clinical practice 840 hours
Eligibility	Registered B.Sc Nursing / M.Sc Nursing in India, or equivalent
Mode	Contact classes, simulation, supervised clinical postings, case discussion and logbook
Award	Fellowship certificate of Malla Reddy Vishwavidyapeeth (Deemed to be University)

Approved Curriculum by the Board of Studies, Academic Council and Executive Council

Stage	Body	Date of approval / resolution no.
1	Board of Studies – School of Nursing Science and Technology	
2	Academic Council	
3	Executive Council	

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1. Preamble and Need for the Programme

Malla Reddy School of Nursing Science and Technology recognizes the need for professionally trained nurses who can provide safe, evidence-based and family-centred care to newborns, infants and children in hospital and community settings. Nurses contribute to early recognition of high-risk conditions, assessment and stabilization, neonatal and paediatric emergency care, developmental support, prevention of complications, family education and continuity of care.

The Fellowship in Neonatal and Pediatric Care Nursing is designed to strengthen competencies in neonatal assessment, routine and high-risk newborn care, neonatal resuscitation, feeding and nutrition, thermoregulation, infection prevention, care of low-birth-weight and preterm infants, neonatal transport, common neonatal disorders, paediatric assessment and emergencies, child- and family-centred care, ethical practice and clinical quality improvement. Structured clinical exposure, simulation-based learning and case-based discussion support clinical judgement, technical skills and professional accountability.

1.1 Need

- Newborns and children can deteriorate rapidly and require age-appropriate assessment, early recognition of danger signs and timely escalation.
- Preterm, low-birth-weight and sick newborns may require specialized monitoring, feeding support, thermoregulation, infection prevention and coordinated multidisciplinary care.
- Competency-based education can strengthen safe practice, family participation, developmental support, emergency preparedness and continuity between hospital and community services.

2. Vision, Mission and Programme Objectives

2.1 Vision

To prepare competent, compassionate and accountable neonatal and paediatric nurses who provide safe, evidence-based, developmentally appropriate and family-centred care.

2.2 Mission

- Provide competency-based education through theory, simulation and supervised clinical practice.
- Promote newborn and child safety, infection prevention, family participation, ethical practice and developmental care.
- Develop clinical judgement, emergency response, caregiver education, teamwork and quality-improvement skills.

2.3 Programme objectives

After successful completion of the fellowship, the fellow will be able to:

1. Explain principles of neonatal and paediatric nursing, growth and development, and levels of care.
2. Assess normal and high-risk newborns and children and recognise age-specific danger signs.
3. Provide routine newborn care, support thermoregulation, feeding, breastfeeding and kangaroo mother care as appropriate.
4. Assist in neonatal resuscitation and paediatric emergency response within current training, institutional protocols and professional scope.

5. Provide nursing care for preterm and low-birth-weight infants and newborns with common medical or surgical conditions.
6. Monitor clinical status, interpret observations in context and promptly escalate deterioration.
7. Apply infection-prevention measures, medication-safety principles and safe equipment practices.
8. Educate and support parents and caregivers, including discharge planning and follow-up.
9. Maintain accurate records, participate in clinical supervision and audit, and uphold ethical and legal responsibilities.

3. Programme at a Glance

Item	Details
Name of programme	Fellowship in Neonatal and Pediatric Care Nursing
Offered by	School of Nursing Science and Technology, Malla Reddy Vishwavidyapeeth (Deemed to be University)
Duration	26 weeks (6 months), full time
Total hours	1,000 hours: Theory 100; Simulation laboratory 60; Clinical practice 840
Credits	33 credits (at 30 notional hours per credit; subject to university approval)
Eligibility	Registered B.Sc Nursing / M.Sc Nursing in India, or equivalent
Mode	Contact classes, simulation, supervised clinical postings, case discussion and logbook
Assessment	MCQ 25 + practical skills assessment (three case scenarios) 60 + logbook 15 = 100 marks
Award	Fellowship certificate by Malla Reddy Vishwavidyapeeth (Deemed to be University)
Medium	English

4. Eligibility, Selection and Governance

4.1 Eligibility

- Registered B.Sc Nursing or M.Sc Nursing in India, or equivalent qualification.
- Current registration with a State Nursing Council; registration certificate to be produced at admission.
- Medical fitness certificate and immunization record as required by institutional policy.

4.2 Selection and commencement

Selection is made by the Fellowship Committee on the basis of academic record, a short interview and document verification. A batch commences after approval of selected fellows and allotment of a guide.

4.3 Fellowship Committee

Sl. No.	Role / position	Description / designation
1	Chairperson	The Dean, SNST
2	Subject expert	Dean MRCON, Professor or Associate Professor of SNST
3	Guide / co-guide	Professor, Associate Professor or Assistant Professor from SNST
4	Convener	Fellowship Coordinator of MRV
5	Ex-officio members	Registrar and Controller of Examinations, MRV

Functions include curriculum oversight, selection of fellows, guide allotment, monitoring attendance and logbooks, reviewing clinical postings, conducting final assessment, handling grievances and recommending award of the certificate. Additional outputs require prior written approval.

4.4 Guides and clinical preceptors

- Guide/co-guide: postgraduate-qualified nursing faculty with experience relevant to neonatal, paediatric, child-health or critical-care nursing.
- Clinical preceptors: experienced nurses working in relevant clinical areas; current neonatal or paediatric life-support training is desirable for emergency postings.
- Recommended guide-to-fellow ratio: not more than 1:1.

5. Programme Outcomes

PO	Domain	Programme outcome
PO1	Knowledge	Explains principles of neonatal and paediatric care, growth and development, and common conditions.
PO2	Assessment	Performs age-appropriate assessment and recognizes danger signs and clinical deterioration.
PO3	Clinical nursing care	Provides safe nursing care for normal, high-risk, preterm and sick newborns and children under supervision.
PO4	Emergency response	Assists in neonatal and paediatric resuscitation and emergency response according to current protocols and competency.
PO5	Family-centred care	Educates and supports parents and caregivers and contributes to discharge planning and follow-up.
PO6	Safety and quality	Applies infection prevention, medication safety, accurate documentation, ethical practice and quality-improvement methods.

6. Curriculum Framework

6.1 Distribution of hours

Unit	Title	Theory (h)	Simulation lab (h)
I	Foundations of Neonatal and Pediatric Nursing	10	6
II	Neonatal Basic and Advanced Life Support	10	6
III	Normal Newborn Care and Development	10	6
IV	Neonatal Feeding, Nutrition and Fluid–Electrolyte Balance	18	6
V	Infection Prevention and Patient Safety	5	6
VI	Preterm and Low-Birth-Weight Newborn Care	5	6
VII	Sick Neonate, Neonatal Emergencies and Transfer	10	6
VIII	Neonatal and Pediatric Medical/Surgical Conditions	10	6
IX	Neonatal Unit Management, Supervision and Quality Assurance	10	6
X	Professional Trends, Ethics and Medico-Legal Issues	12	6
	Total	**100**	**60**

Component	Hours	Share
Theory (10 units)	100	10%
Simulation laboratory	60	6%
Clinical practice	840	84%
Total	1,000	100%

The original source lists 11 teaching units and assigns hours that total 100 theory hours. For a clearer curriculum framework, related professional ethics and medico-legal content has been combined into Unit X; the content areas are retained below.

6.2 Schedule of the 26 weeks

Weeks	Activity
1–2	Orientation, infection-prevention orientation, equipment familiarization, baseline assessment and commencement of clinical posting.
3–20	Clinical postings as listed in Section 8, theory Units I–X and scheduled simulation sessions.
21–25	Remaining clinical postings, completion of logbook, case presentations, revision and scenario practice.
26	Final assessment and exit examination.

6.3 Teaching–learning methods

- Interactive lectures, videos, case-based learning and group discussion.

- Simulation laboratory practice using newborn and paediatric mannequins, resuscitation equipment, monitoring devices and emergency scenarios.
- Bedside teaching and supervised procedures in newborn nursery, NICU, paediatric wards, PICU and relevant specialty areas.
- Role-play for breastfeeding/lactation counselling, caregiver education and communication.
- Skill checklists, OSCE practice, reflective logbook entries, case presentations and guide feedback.

7. Detailed Syllabus: Neonatal and Pediatric Care Nursing

Theory 100 hours · Simulation laboratory 60 hours · Clinical practice 840 hours

Unit I: Foundations of Neonatal and Pediatric Nursing

Theory: 10 hours | Simulation laboratory: 6 hours

Learning objectives

- Explain the concepts, principles and scope of neonatal and paediatric nursing.
- Identify risk factors in antenatal, intranatal and postnatal periods.

Content

- Definitions and principles of neonatal nursing and paediatric care.
- Risk factors affecting newborns during antenatal and intranatal periods.
- Levels of neonatal care and role of the nurse.
- Nursing process and family-centred care.
- Growth and development overview; age-appropriate communication and safeguarding.

Teaching–learning activities

Case scenarios; role-play; group discussions; orientation to neonatal and paediatric units.

Assessment methods

Short-answer test; MCQ; peer-review feedback.

Course outcomes (CO)

CO	Course outcome: the fellow will be able to
CO1	Describe neonatal and paediatric nursing principles.
CO2	Identify newborn risk factors and levels of care.
CO3	Explain the nursing process and family-centred approach.

Unit II: Neonatal Basic and Advanced Life Support

Theory: 10 hours | Simulation laboratory: 6 hours

Learning objectives

- Describe the initial steps in newborn resuscitation and emergency response.
- Demonstrate relevant skills in simulation and within verified competency.

Content

- Preparation and initial assessment of the newborn.
- Thermal care, airway positioning and ventilation principles.
- Bag-and-mask ventilation, chest compressions and escalation according to current neonatal resuscitation guidance.
- Overview of advanced airway procedures and emergency medicines; role of the nurse and authorised team.
- Routine care after stabilization; documentation and team communication.

Teaching–learning activities

Hands-on skills laboratory; mannequins; video demonstrations; team-based simulations.

Assessment methods

Return demonstration; skill checklist; simulation-based OSCE.

Course outcomes (CO)

CO	Course outcome: the fellow will be able to
CO1	Explain the sequence of initial newborn resuscitation steps.
CO2	Demonstrate assigned resuscitation skills in simulation.
CO3	Communicate and document actions during an emergency.

Unit III: Normal Newborn Care and Development

Theory: 10 hours | Simulation laboratory: 6 hours

Learning objectives

- Assess and provide routine care for a normal newborn.
- Recognize newborn danger signs and common minor disorders.

Content

- Definitions and terminology; immediate, routine and transition care.
- Newborn examination, anthropometry, gestational-age assessment, APGAR scoring and newborn reflexes.
- Physiological adaptation, thermoregulation and prevention of hypothermia.
- Kangaroo mother care and safe newborn positioning.
- Common minor neonatal disorders, danger signs, discharge advice and home care.

Teaching–learning activities

Demonstrations; bedside teaching; newborn-care simulation; peer skill check.

Assessment methods

OSCE; practical checklist; short-answer test.

Course outcomes (CO)

CO	Course outcome: the fellow will be able to
CO1	Complete a structured newborn assessment.
CO2	Provide routine newborn care and thermoregulation.
CO3	Recognize danger signs and report promptly.

Unit IV: Neonatal Feeding, Nutrition and Fluid–Electrolyte Balance

Theory: 18 hours | Simulation laboratory: 6 hours

Learning objectives

- Explain neonatal feeding and lactation principles.
- Support feeding of normal, preterm and low-birth-weight newborns according to the care plan.

Content

- Physiology of breast and milk secretion; breastfeeding techniques and maintenance of lactation.
- Breastfeeding counselling and management of common breastfeeding problems.
- Human milk bank principles and safe handling of expressed breast milk.
- Feeding normal babies and low-birth-weight babies; cup/spoon, gavages and other prescribed enteral feeding methods.
- Overview of parenteral nutrition and fluid/electrolyte therapy; monitoring and reporting complications.
- Nutrition assessment, feeding tolerance, growth monitoring and caregiver education.

Teaching–learning activities

Return demonstration; lactation-counselling role-play; feeding videos; supervised clinical practice.

Assessment methods

Return demonstration; viva; skill competency checklist.

Course outcomes (CO)

CO	Course outcome: the fellow will be able to
CO1	Explain breastfeeding and neonatal feeding principles.
CO2	Demonstrate safe feeding support under supervision.
CO3	Monitor feeding tolerance and report concerns.

Unit V: Infection Prevention and Patient Safety

Theory: 5 hours | Simulation laboratory: 6 hours

Learning objectives

- Apply infection-prevention principles in neonatal and paediatric settings.
- Describe safe equipment, environmental and waste-management practices.

Content

- Standard precautions, hand hygiene and appropriate PPE.
- Prevention of infection in NICU and paediatric units.
- Cleaning, disinfection, sterilization and housekeeping routines.
- Biomedical waste management and safe specimen collection/handling.
- Surveillance, isolation practices and safe handling of equipment.

Teaching–learning activities

Demonstration; NICU visit; visual aids/posters; hand-hygiene and PPE simulation.

Assessment methods

Spot test; practical demonstration; quiz.

Course outcomes (CO)

CO	Course outcome: the fellow will be able to
CO1	Demonstrate hand hygiene and appropriate PPE use.
CO2	Explain infection prevention in neonatal and paediatric units.
CO3	Describe safe cleaning, waste and specimen-handling practices.

Unit VI: Preterm and Low-Birth-Weight Newborn Care

Theory: 5 hours | Simulation laboratory: 6 hours

Learning objectives

- Identify preterm and low-birth-weight newborns and associated risks.
- Describe principles of monitoring, feeding, thermoregulation and safe transfer.

Content

- Definitions and classification of low birth weight, preterm and small-for-gestational-age infants.
- Common risk factors and complications.
- Thermoregulation, feeding support, growth monitoring and developmental care.
- Observation, monitoring, documentation and escalation of deterioration.
- Preparation and safe transport of preterm and low-birth-weight newborns.

Teaching–learning activities

Clinical demonstrations; NICU rounds; case studies; incubator and warmer simulation.

Assessment methods

Clinical assessment; written test; observation checklist.

Course outcomes (CO)

CO	Course outcome: the fellow will be able to
CO1	Identify preterm and low-birth-weight infants.
CO2	Describe priority nursing care and monitoring.
CO3	Prepare for safe transfer under supervision.

Unit VII: Sick Neonate, Neonatal Emergencies and Transfer

Theory: 10 hours | Simulation laboratory: 6 hours

Learning objectives

- Monitor sick neonates and recognize neonatal emergencies.
- Describe principles of stabilization, referral and safe transport.

Content

- Neonatal monitoring and observations; danger signs.
- Respiratory distress, apnea, birth asphyxia, respiratory distress syndrome and meconium aspiration.
- Neonatal sepsis, jaundice, convulsions and neurological disorders.
- Metabolic disorders and necrotizing enterocolitis.
- Neonates exposed to HIV: transmission prevention and care in accordance with current protocols.
- Neonatal transfer, transport planning, transport incubator, staffing, equipment and handover.
- Palliative and comfort-focused care for neonates with serious conditions, with family support.

Teaching–learning activities

Simulation scenarios; group case discussion; videos; role-play; transport planning exercise.

Assessment methods

OSCE; case-study presentation; MCQs.

Course outcomes (CO)

CO	Course outcome: the fellow will be able to
CO1	Recognize common neonatal danger signs and emergencies.
CO2	Describe monitoring, stabilization and transfer priorities.
CO3	Explain family-centred supportive and palliative care principles.

Unit VIII: Neonatal and Pediatric Medical/Surgical Conditions

Theory: 10 hours | Simulation laboratory: 6 hours

Learning objectives

- Recognize common neonatal surgical conditions and paediatric health problems.
- Describe pre- and post-operative nursing care and referral priorities.

Content

- Birth trauma and congenital malformations: identification and referral.
- Neonatal surgical conditions: cleft lip/palate, esophageal atresia and tracheo-oesophageal fistula, congenital hypertrophic pyloric stenosis, Hirschsprung disease, imperforate anus, rectovaginal fistula, spina bifida/myelomeningocele, hydrocephalus, bladder exstrophy and congenital heart disease.
- Pre- and post-operative nursing care, pain assessment, feeding considerations and family education.
- Age-appropriate assessment of sick children; recognition of paediatric danger signs and escalation.
- Introduction to common paediatric acute conditions and emergency care within the nurse's role.

Teaching–learning activities

Surgical case reviews; OT/NICU observation; diagrams and models; paediatric case discussion.

Assessment methods

Case-study assignment; viva; short-answer questions.

Course outcomes (CO)

CO	Course outcome: the fellow will be able to
CO1	Identify priority nursing needs in selected congenital and surgical conditions.
CO2	Describe pre- and post-operative nursing care.
CO3	Recognize paediatric deterioration and communicate concerns.

Unit IX: Neonatal Unit Management, Supervision and Quality Assurance

Theory: 10 hours | Simulation laboratory: 6 hours

Learning objectives

- Explain principles of management and supervision of neonatal and paediatric units.
- Use basic quality-assurance tools and safe transport planning.

Content

- Principles of unit management: planning, organizing, staffing, reporting, recording and budgeting.
- Management of time, material and personnel; NICU layout and design.
- Neonatal transport services; transport planning, personnel, equipment and transport incubator.
- Clinical supervision: objectives, principles, functions and qualities of a supervisor.
- Responsibilities of clinical supervisors; practice standards, policies, procedures and protocols.
- Orientation of new staff; quality assurance, nursing audit, performance appraisal, rating scales and checklists.

Teaching–learning activities

Group discussion; audit-tool demonstration; policy review; transport-planning activity.

Assessment methods

Audit project; short-answer test; presentation.

Course outcomes (CO)

CO	Course outcome: the fellow will be able to
CO1	Explain management and supervision principles.
CO2	Describe safe staffing, equipment and transport planning.
CO3	Participate in a basic nursing audit or quality-improvement activity.

Unit X: Professional Trends, Ethics and Medico-Legal Issues

Theory: 12 hours | Simulation laboratory: 6 hours

Learning objectives

- Apply ethical principles and professional standards in neonatal and paediatric nursing.
- Describe medico-legal responsibilities and appropriate documentation.

Content

- Code of ethics, professional conduct and standards of neonatal and paediatric nursing in India.
- Ethical issues in newborn and child care; best interests of the child, family participation, consent/assent as applicable and confidentiality.
- Expanding roles: neonatal specialist nurse, paediatric specialist nurse and nurse practitioner, subject to applicable regulation.

- Professional organizations and continuing professional development.
- Legislation and regulations relevant to neonatal and paediatric care; consumer protection, negligence and malpractice.
- Patient rights, nursing responsibilities, records and reports; case studies and lessons from judgments.
- Sensitive issues: abandoned babies, transfer to appropriate institutions, adoption-related processes, loss of a neonate and preservation/transfer of records or remains according to law and institutional policy.

Teaching–learning activities

Ethical case scenarios; debate; guest lecturers; reflective practice; legal case review and documentation exercise.

Assessment methods

Essay; ethics case evaluation; MCQs; practical logbook review.

Course outcomes (CO)

CO	Course outcome: the fellow will be able to
CO1	Identify ethical and legal concerns and escalate appropriately.
CO2	Maintain accurate and confidential records.
CO3	Explain professional accountability and the role of continuing education.

8. Clinical Practice: Postings (840 hours)

The clinical posting sequence may be adjusted to suit the institutional roster and case availability. Each posting ends with guide-verified competency sign-off in the logbook. All clinical activities must be supervised and remain within the scope of registered nursing practice.

Clinical area	Weeks	Hours
Newborn nursery / normal newborn care	3	100
Neonatal intensive care unit (NICU)	7	230
High-risk newborn / preterm and low-birth-weight care	3	100
Paediatric ward / general paediatric nursing	4	130
Paediatric intensive care / emergency unit	3	100
Neonatal resuscitation and transport service	2	60
Paediatric surgical / specialty services	2	60
Community child health, family education and follow-up	2	60
Total	**26**	**840**

8.1 Expected learning in each posting

Posting	Focus
Newborn nursery	Immediate and routine newborn care, examination, APGAR scoring, thermoregulation, feeding and parent education.
NICU	Monitoring, infection prevention, equipment safety, nursing care for sick neonates, documentation and escalation.
High-risk newborn care	Care of preterm/LBW infants, feeding support, kangaroo mother care, growth and temperature monitoring.
Paediatric ward	Age-appropriate assessment, medication safety, nursing care plans, family communication and discharge education.
PICU / emergency	Recognition of deterioration, emergency teamwork, monitoring and supervised paediatric emergency response.
Resuscitation and transport	Simulation/clinical exposure to resuscitation, stabilization, transport preparation and structured handover.
Surgical / specialty services	Pre- and post-operative care, congenital conditions, preparation, aftercare and

	caregiver education.
Community child health	Prevention, caregiver education, follow-up, referral and continuity of care.

9. Essential Neonatal and Pediatric Care Skills and Logbook

The fellow maintains a logbook recording each procedure or learning activity, signed by the clinical preceptor and verified by the guide. Minimum numbers should be finalized by the Fellowship Committee according to clinical availability, institutional policy and scope of practice. Activities marked as simulation may be completed on an approved simulator when a suitable clinical case is unavailable.

9.1 Procedures observed (O)

No.	Procedure / learning activity	Suggested minimum
1	Cranial ultrasound / head ultrasound	2
2	Echocardiogram and relevant cardiac assessment	2
3	CT / MRI where clinically indicated	2
4	Retinopathy of prematurity screening	2
5	Neonatal or paediatric surgical procedures (observation)	3
6	Neonatal/paediatric multidisciplinary case conference	2
7	Specialty assessment for congenital or complex conditions	2

9.2 Procedures assisted (A)

No.	Procedure / learning activity	Suggested minimum
1	Neonatal resuscitation / advanced life-support team activity	3
2	APGAR scoring and newborn reflex assessment	5
3	Specimen collection and blood sampling under supervision	5
4	Arterial blood gas / arterial-line monitoring (where available)	2
5	Umbilical catheter care or observation of insertion	2
6	ECG recording and monitoring	3
7	Blood transfusion / exchange transfusion exposure, where indicated	2
8	IV therapy and infusion-pump monitoring	5
9	Endotracheal intubation / ventilatory support (team-assisted or simulation)	3
10	Chest-tube or central-line care (where available)	2
11	Lumbar puncture preparation and aftercare (where available)	2
12	Neonatal/paediatric transfer and handover	3

9.3 Procedures performed (P)

No.	Procedure / competency	Suggested minimum
1	Structured newborn assessment: risk factors, anthropometry, gestational age and danger signs	10
2	Clinical monitoring: temperature, respiratory rate, heart rate, CRT and observations	10
3	APGAR scoring and newborn reflex assessment (under supervision)	5
4	Thermoregulation: warmer/incubator checks and temperature monitoring	5
5	Kangaroo mother care support and caregiver education	5
6	Breastfeeding/lactation counselling and feeding support	5
7	Oxygen therapy and CPAP-related nursing care within competency	5
8	Phototherapy nursing care and monitoring	3
9	Medication calculation and safe administration under supervision	5

10	Infection prevention: hand hygiene, PPE and equipment safety	10
11	Gavages/OG feeding and feeding-tolerance monitoring under supervision	5
12	Paediatric assessment and age-appropriate pain assessment	5
13	Emergency response / resuscitation simulation	3
14	Admission, discharge education and documentation	5
15	Safe equipment checks: incubator, warmer, monitor, phototherapy and infusion pump	5

9.4 Logbook requirements

- Record date, patient identification code, procedure/activity, level (O/A/P), clinical or simulation setting, learning outcome, reflection and preceptor signature.
- Guide verification at the end of each posting; Fellowship Coordinator reviews progress at weeks 8, 16 and 24.
- Complete at least 10 case studies or case presentations covering normal newborn care, preterm/LBW care, neonatal emergencies, feeding, infection prevention, paediatric assessment, surgical conditions and family education.
- Submit the completed logbook to the guide one week before final assessment.

10. Scheme of Assessment

10.1 Final assessment and exit examination

The examination is conducted by the School of Nursing Science and Technology, Malla Reddy Vishwavidyapeeth. Final assessment comprises:

Component	Details	Marks	Minimum (50%)
I. Multiple-choice questions	Written paper; blueprint in Section 10.3	25	12.5
II. Practical skills assessment	Three case scenarios with discussion; 20 marks each	60	30
III. Logbook maintenance	Completeness, regularity, accuracy and guide verification	15	7.5
Total		100	50

10.2 Criteria to pass

- Minimum 50% in each of the three components and minimum 50% aggregate (50/100).
- A candidate who does not meet the minimum in any component must follow the university-approved supplementary assessment process, if applicable.

10.3 MCQ blueprint (25 marks)

Content area	Suggested marks
Foundations, growth and development	3
Neonatal resuscitation and emergency response	4
Normal newborn care and assessment	3
Feeding, nutrition and fluid/electrolyte balance	4
Infection prevention and patient safety	2
Preterm/LBW and sick neonate care	3
Neonatal and paediatric medical/surgical conditions	3
Unit management, ethics, legal issues and quality improvement	3
Total	**25**

10.4 Practical skills assessment (60 marks)

Case	Focus	Maximum marks

scenario		
Case 1	Newborn assessment, routine/high-risk care and feeding/thermoregulation	20
Case 2	Sick neonate, neonatal emergency recognition, monitoring and escalation	20
Case 3	Paediatric assessment, family education, safety and documentation	20
Total		**60**

10.5 Logbook assessment (15 marks)

Criterion	Marks
Completeness and regularity of entries	5
Accuracy, reflection and learning outcomes	5
Guide/preceptor verification and completion of required activities	5
Total	**15**

10.6 Formative assessment

Unit-wise MCQ tests, skill checklists, case presentations, viva, reflective logbook entries and feedback are used throughout the fellowship. The guide records progress at the end of each posting.

10.7 Award of certificate

The fellowship certificate is awarded by Malla Reddy Vishwavidyapeeth (Deemed to be University) to candidates who meet the approved attendance, clinical competency and assessment requirements.

11. Infrastructure, Faculty and Quality Assurance

11.1 Clinical facilities

- Newborn nursery, NICU, paediatric wards, PICU/emergency unit and access to relevant surgical/specialty services.
- Clinical preceptors and multidisciplinary professionals available for supervised learning.
- Institutional protocols for resuscitation, infection prevention, medication safety, feeding, transfer, documentation and family education.

11.2 Simulation laboratory

- Neonatal and paediatric mannequins, resuscitation equipment, bag-and-mask devices, monitoring equipment and airway-care training resources.
- Incubator/warmer demonstration resources, phototherapy equipment or simulation aids, feeding equipment and infusion-pump trainers as available.
- OSCE stations for assessment, resuscitation, communication, medication safety, infection prevention and discharge education.

11.3 Classroom and learning resources

- Classroom with audiovisual resources and internet access for evidence-based learning.
- Access to current nursing texts, neonatal and paediatric clinical guidelines, institutional protocols and journal articles.
- Standardized logbooks, case presentation formats, competency checklists and assessment rubrics.

11.4 Quality assurance

- Review attendance, learning outcomes, logbooks and clinical competency at planned intervals.
- Collect feedback from fellows, guides, preceptors and clinical partners.
- Review curriculum content, assessment blueprint and clinical placement suitability through the authorised academic process.
- Maintain confidentiality, consent, professional boundaries and safe supervision during all learning activities.

12. Suggested References

- World Health Organization. Relevant guidance on newborn health, care of preterm and low-birth-weight infants, and child health.
- World Health Organization. Standards for improving quality of care for small and sick newborns in health facilities.
- Government of India, Ministry of Health and Family Welfare. Relevant newborn and child health programme guidelines and facility-based newborn care guidance.
- Indian Academy of Pediatrics. Current clinical guidance relevant to paediatric care and emergency management.
- National Neonatology Forum, India. Current neonatal care protocols and educational resources.
- Cloherty and Stark's Manual of Neonatal Care. Wolters Kluwer.
- Wong's Nursing Care of Infants and Children. Elsevier.
- Current institutional protocols and applicable professional/regulatory guidance on neonatal resuscitation, paediatric emergency care, medication safety, consent and documentation.

Annexure A: Final Assessment Sheet – MRV Fellowship

General information

Fellow details	Entry
Name of fellow	
Fellowship ID	
Institution / department	
Batch / year	

Component	Maximum marks	Marks obtained	Pass / Fail
MCQs	25		
Practical skills – Case 1	20		
Practical skills – Case 2	20		
Practical skills – Case 3	20		
Practical skills total	60		
Logbook	15		
Total	100		

Final result: ☐Pass ☐Fail (Minimum 50% in each component and 50% aggregate)

Additional outputs, if approved: _____

Date: _____

1. Name of guide / examiner: _____ Signature: _____

2. Name of guide / examiner: _____ Signature: _____

Annexure B: Logbook Formats

B1. Clinical activity record

Date	Patient code	Procedure / activity	O/A/P	Clinical / simulation	Learning outcome / reflection	Preceptor signature

B2. Case presentation record

Case no.	Clinical focus	Date	Guide feedback	Fellow signature

B3. Posting verification

Clinical posting	Hours completed	Competencies reviewed	Preceptor signature	Guide verification

Annexure C: Certificate of Completion (format)

MALLA REDDY VISHWAVIDYAPEETH

(Deemed to be University)

This is to certify that

_____

Fellowship ID _____ has successfully completed the 26-week

FELLOWSHIP IN

NEONATAL AND PEDIATRIC CARE NURSING

at the School of Nursing Science and Technology, and has passed the final assessment and exit examination held in _____ with a total of _____ / 100 marks.

Date of issue: _____	Place: Hyderabad
Controller of Examinations	Dean, School of Nursing Science and Technology