

Doctoral Programme at MSRSAS

Overview of PhD Programme of Coventry University at MSRSAS

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Welcome Letter

Dear Student,

We take immense pleasure to welcome you to the **M.S. Ramaiah School of Advanced Studies**. We take pride in offering industry-relevant courses, training and applied research that are highly relevant to today's industry and a high standard of student care, excellent teaching and the state of art facilities. I am sure you will have an exhilarating experience at our school. I am also sure you will find our courses commendable & appropriate.

We have put in every effort into making sure that your stay with us at the M.S. Ramaiah School of Advanced Studies is memorable and rewarding.

Please read and understand **the complete handbook** as it contains all the information that will be required by you, to guide you through your course. You should not loose the handbook at any cost and there should be no reason if you are not in the right place at the right time, doing what you are required to be doing.

It will be an intensive course for you whatever duration the course is for, which requires hard work and dedication throughout and a good test of your stamina and endurance. I am sure you will come out with flying colours with the best efforts from your side. The handbook provides the salient information required to comfortably sail through the doctoral programme. The procedures involved in the doctoral programme are explained in some detail so that you can concentrate more on research. Make sure that you fully understand the rules and regulations, the procedures and associated penalties.

Please feel free to call into the office or ask a member of the centre if you have any problems, our doors are always open to help you.

I wish you every success and an enjoyable and memorable stay at the School.

Yours sincerely,

Dr. S. R. Shankapal,
Director,
M. S. Ramaiah School of Advanced Studies

Doctoral Programme at MSRSAS

- MSRSAS is an Associated Institution of Coventry University- means MSRSAS is an approved Research Institution of Coventry University
- MSRSAS started offering Doctoral Programme with effect from April 2004
- Doctoral Programme at MSRSAS leads to Ph.D. Degree of Coventry University, UK

Present Research Areas offered at MSR SAS

- Engineering Mechanics
- Fluid Flow and Energy Systems
- Engineering Design and Manufacturing
- Digital Signal Processing
- Digital Image Processing
- Communication
- Mobile Communication and Networks
- Antennas and Microwave Engineering
- Electronics Materials and Devices
- Smart Materials
- Mechatronics and Computer Systems
- Product Design
- Management Sciences
- Automotive Engineering
- Automotive Electronics

Supervisors at MSRSAS

- Mechanical
 - Dr. S.R. Shankapal
 - Dr. S.N. Sridhara
 - Dr. B.V. Vijay
 - Dr. M.D. Deshpande
 - Dr. Vinod K. Banthia
 - Dr. NVR Naidu (MSRIT)
 - Dr. Bhaumik (NAL)
 - Dr. S. Ramamurthy (NAL)
 - You can choose anyone who has an interest in research and having PhD qualification

Supervisors at MSRSAS

- Electronics
 - Dr. Govind R Kadambi
 - Dr. T.V. Ananthapadmanabha
 - Dr. Srikari
 - Dr. S.L.Pinjare (NTTE)
 - Dr. Jharna Mazumdar (ADE)
 - Dr. Vijay Pande (ASPL)
 - Dr. H. D. Maheshappa (REVA Inst.)
 - Dr. V. Ramesh (GE)
 - You can choose anyone who has an interest in research and having PhD qualification

Routes and Programme Duration

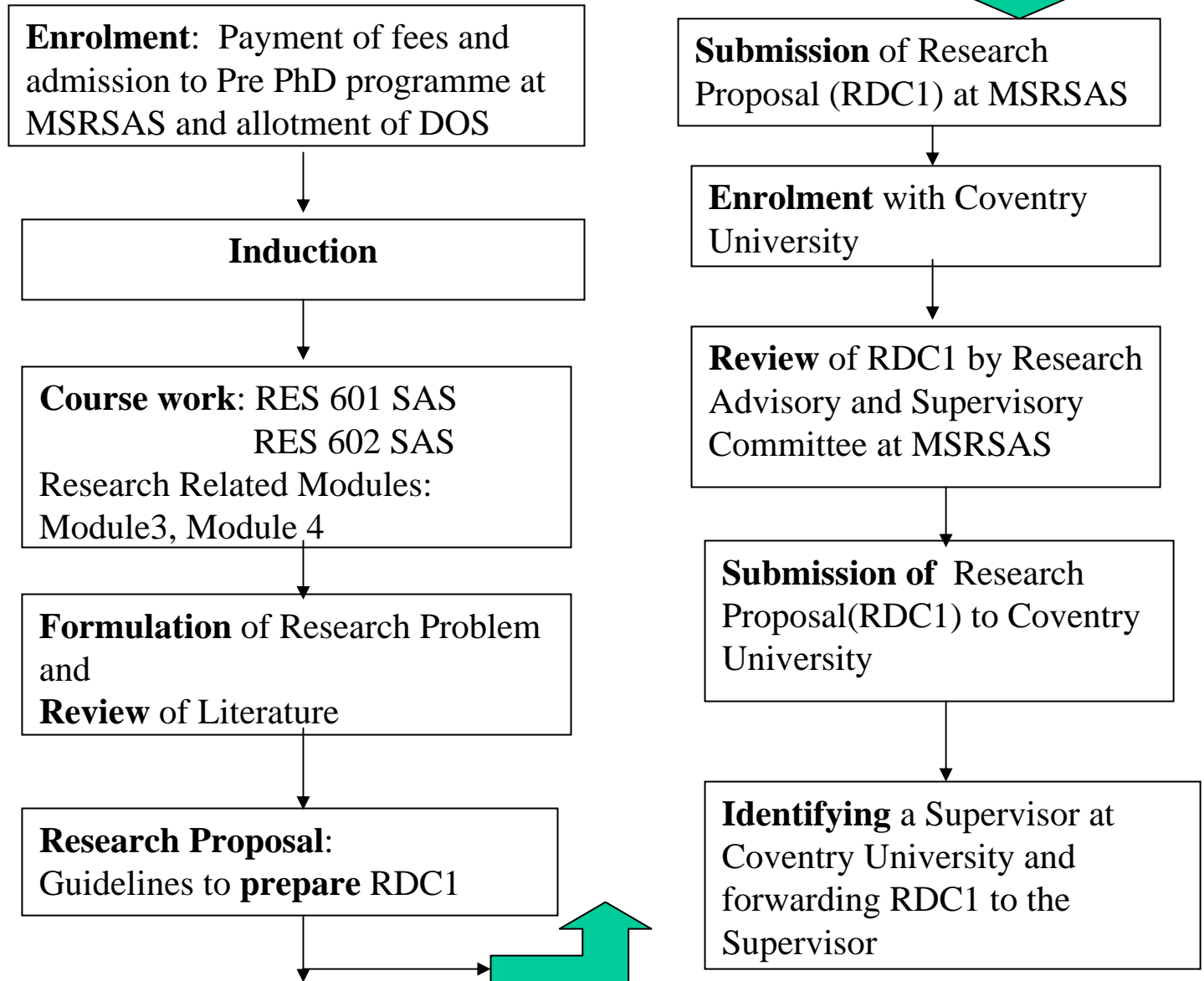
- Full Time 3-5 years
- Part Time 4-6 years
 - Full time: Candidates are required to work for their PhD on Campus. They need to spend 40 hours a week on research.
 - Part time: Candidates can work for their PhD at their work place (either in Bangalore or any place within India). They need to spend 15 hours a week on research. It is preferable that the Scholar has a qualified supervisor/advisor at his work place

Eligibility

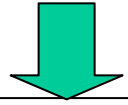
- A second class Master's degree in Engineering from a good college/university

Programme Structure

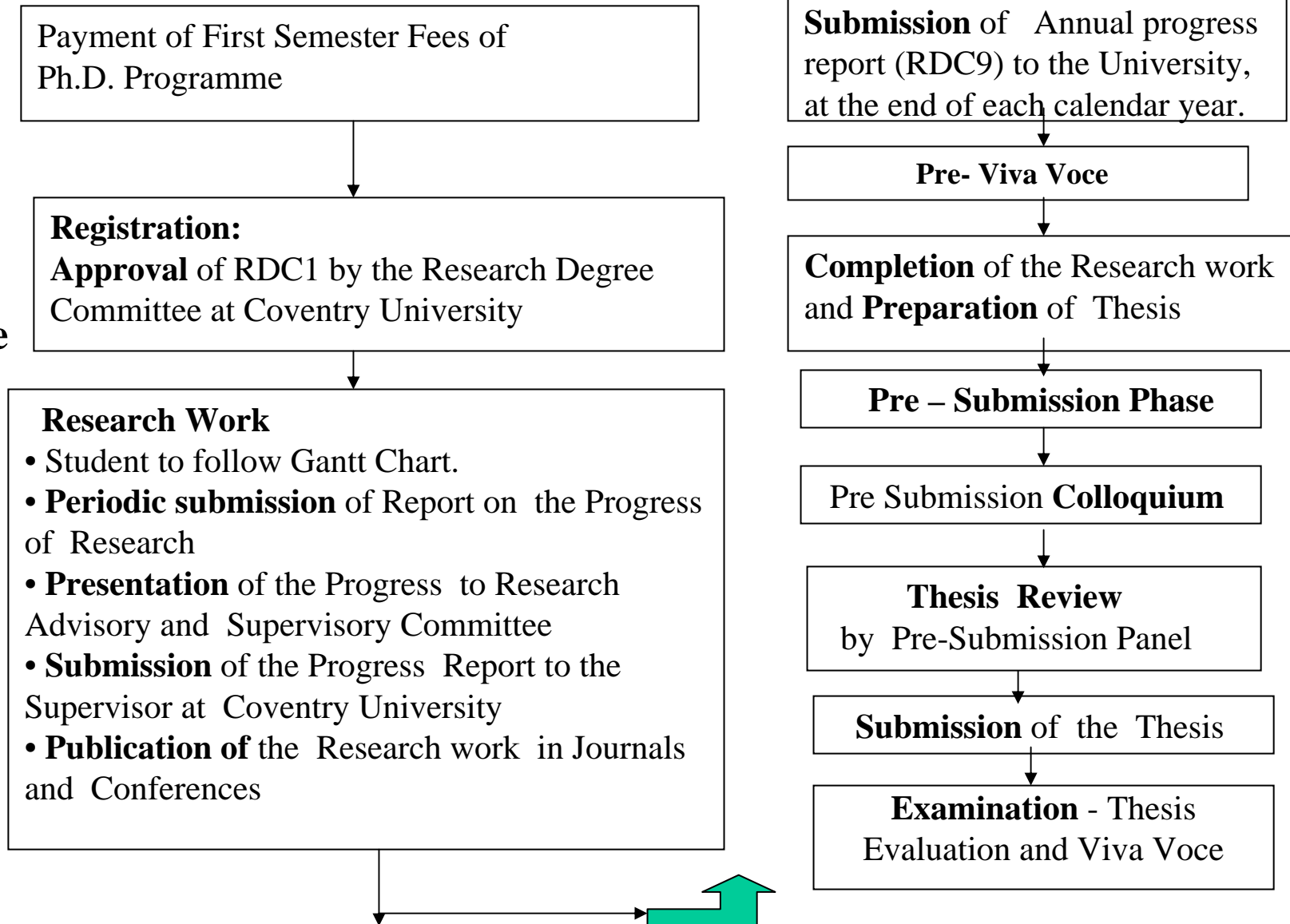
Pre-PhD Programme



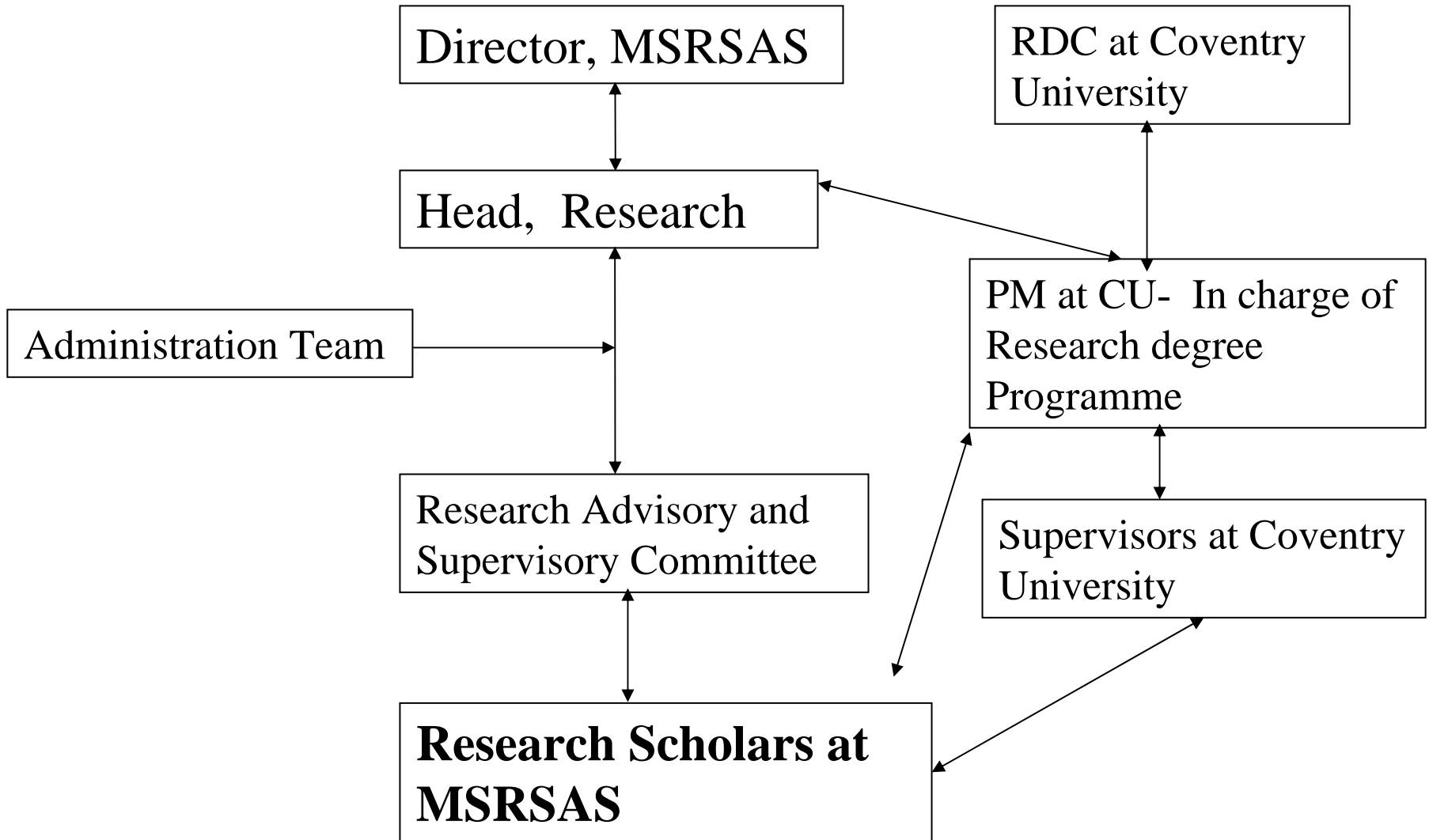
Programme Structure



PhD Programme



Programme Administration



Research Related (RDC) Administrative Forms

- Enrolment Form: The Candidate and DOS are responsible, to be prepared as soon as a candidate takes admission
- RDC1- Registration form: to be submitted within 4-6 months of enrolment. Will have 700 words document. Candidate and DOS are responsible
- RDC3: Examination arrangement Form: This is to be filled up by the supervisors
- RDC4: Extension/Suspension Request: To be filled up by the Candidate and counter signed by the team of supervisors
- RDC5: Supervisory Changes: In case of any one of the supervisors is changed then this form has to be filled and signed by all the previous supervisors and new supervisors

Research Related (RDC) Forms

- RDC8: Withdrawal Form: A candidate who wants to withdraw from the programme has to submit this form duly countersigned by the DOS and approved by RDSC and RDC
- RDC9: Annual Progress Report: Candidate and DOS need to complete this
- RDC10A: Examiner's Preliminary Report, Each examiner has to send this form independently
- RDC10B : Examiners' Joint Final Report prepared after the Viva
- RDC11: Candidates Declaration
- RDC12: CV of the supervisor

Fees

- During Pre-Ph. D. Fees Payable to MSRSAS:
 - Application Fee: Rs. 500/-
 - Registration Fee: Rs. 5,000/-
 - Caution Deposit: Rs. 2,000/-
 - Pre-PhD Fee: Rs.25,000/-

Total = Rs. 32,500/-
- During Pre-Ph.D. Fees Payable to MSRSAS (In house Candidate)
 - Rs. 10,000/- (Application, Registration, Pre-PhD Fee)
- PhD Fee: (£250 + INR 5,000) per semester
£ 125 for an in-house candidate per semester

Supervisory Team of a Scholar

- Each scholar works under the guidance of a team of supervisors.
- For each scholar, there will be three or more supervisors
 - One main supervisor called the Director of Studies (identified by MSRSAS)
 - There will be one supervisor at CU
 - Local supervisor at work place
 - Advisors if required
- There must be at least one formal meeting (person to person) between the scholar and the one of the supervisors per week. There must be frequent interactions (via telephone, email) with other members of the supervisory team. There must be a good coordination and communication amongst the scholar and supervisory team members. Minutes of the meeting must be recorded.

Supervisory Team of a Scholar

- **Adviser:** A technical person other than the supervisors involved in the research project. Ex: A person who is technically well versed but academically not acquired a research degree can act as adviser. A consent letter is required from the Adviser.
- **Collaborative Establishment:** Special facility or experimental centre where whole or part of research is conducted. Ex: An Industry or Super-computer Centre. A letter of support must be issued by the Establishment. The nature and duration of support must be mentioned

Course Work, Schedule and Evaluation

- RES601SAS
 - Research Methodology and Training- Month1
- RES602SAS
 - Technical Communication- Month 2
- Research Related (recommended by DOS)
 - Module 3
- Research Related (recommended by DOS)
 - Module 4
- Evaluation: Assignment Based

Progress Reports and Review

- Once RDC1 is approved, a candidate need to submit progress reports on quarterly basis
- Phase-wise progress will be reviewed by the Research Advisory and Supervisory Committee at MSRSAS
- PM – Research from Coventry University may also review the progress made at any intermediate stage

Thesis Writing

- Award of degree is based on an authentic thesis
- You are the author of the thesis and you alone are responsible
- Original Contribution
- Innovative
- Wide area of Applications
- Technically correct and rigorous
- Appropriate format
- Clear, concise, consistent and un-ambiguous language.
- All Symbols, Figures, Tables must be clearly defined
- Make recommendations for future work.

Thesis Writing

- Please see a sample [Format](#)

Thesis Examination

- **List of Examiners:** Supervisory Team and RDSC
- **Final Selection of Examiners:** CU
- **Arrangement:** Obtain consent of the examiners. Set date for Viva
- **Preliminary Assessment:** RDC10A. Independent assessments. Have to approve the Viva. Report copy may be given to the scholar.
- **Viva:** Supervisory team may be present on scholar's request but must only clarify any issues directly addressed to them. Team must leave when final report is being prepared. Examiners prepare a joint report.
- **Independent Chair:** Chair guides the process, acts as an impartial judge in the interest of the scholar. Circumstances: For in-house faculty – When there is a difference of opinion – Re-examination – When external examiner requests – when Chair, RDC recommends

Thesis Examination Outcome

- Award the Degree as is with / without oral examination
- Award the Degree subject to minor amendments of the thesis
- Re-submit (within 3 months) and re-assess (only one chance) with / without oral examination
- Not award the degree and be not permitted for re-assessment (Appeal)
- Down-grading to M.Phil Degree subject to appropriate amendments.
- Non-unanimous Decision: appoint an additional examiner; may accept a majority recommendation provided the same has been supported at least by one external examiner;

Sample Thesis

Thesis Examination-Appeal

- Any alleged inadequacy of supervision is NOT a ground.
- Appeal is granted under the following conditions:
 - Circumstances affecting the candidate's performance of which the examiners were unaware and the candidate, for good cause, could not bring to their attention beforehand.
 - There is evidence of procedural irregularity in the conduct of examination (including administrative errors) of such a nature that would alter the results.
 - There is evidence of unfair or improper assessment provided the candidate shall not be permitted to question the academic judgment of the examiners.
- A review panel to allow the appeal would be setup.
Recommend reconsideration by the same examiners or a new examination panel.

Terminology

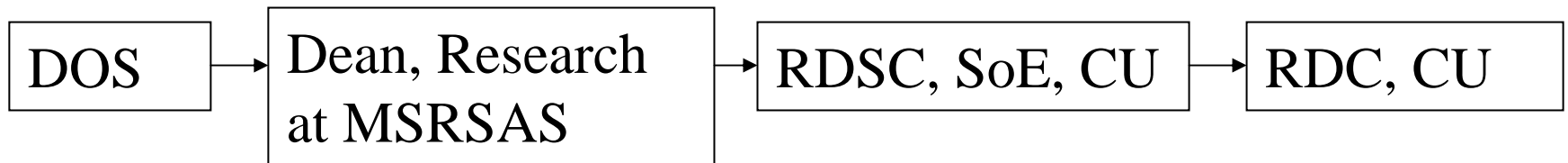
- **RDC**: Research Degrees Committee at Coventry University(CU)
- **RDSC at SoE, CU**: Research Degrees Sub-Committee at School of Engineering, Coventry University (CU)
- **RDSC**: Research Degrees Sub-Committee at MSRSAS (Research Advisory and Supervisory Committee)
- **RASC**: Research Advisory and Supervisory Committee (at MSRSAS)
- **DoS**: Director of Studies

- **RDC1**: Registration form giving the Research Proposal
- **RDC9**: Annual Progress Report
- **RDC10A**: Preliminary Report from each Examiner sent independently
- **RDC10B**: Final Joint Report from all the Examiners prepared after the viva

Research Interaction Diary

- Every Scholar must possess a School Diary, issued by ARO at MSRSAS
- It is advised to have at least one meeting per week with Supervisors

Student Communication Route



Thank you