

CSE-B 3rd Year 5th Semester

Group-wise Term paper Topics

Subject: Software Engineering

Code: ESC501

AY:2022-23

| Sr. No. | Univ. Roll No. | Students Name | Topics | Content guidelines |
|---------|----------------|---------------------------|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | 11500120123 | Nirjhar Das | Role of data dictionary in software design | Definition & significance of Data dictionary, use in design process – Data design & process design, Use example DFD and create a DD. |
| | 11500121128 | Rittika Pal | | |
| | 11500120120 | Arkajit Tah | | |
| | 11500120121 | Deblina Hazra | | |
| | 11500121106 | Anuskha Dey | | |
| 2 | 11500120051 | Kaustav Sarkar | Challenges in Software Requirement Analysis | Requirement Analysis phase, techniques, issues & challenges due to informal specifications, problems of formalism, use examples from real life case studies, losses due to s/w spec error |
| | 11500120053 | Kanchan Tantubay | | |
| | 11500120012 | Krishnendu Shankar Mandol | | |
| | 11500120107 | Manjit Paul | | |
| | 11500120078 | Aritra Biswas | | |
| 3 | 11500120065 | Debanjana Nandan | UML in software design – Significance & Challenges | UML in software design, commonly used diagrams & their significance, challenges – traceability & consistency issues |
| | 11500120052 | Kathika Sanyal | | |
| | 11500120114 | Harsh Raj | | |
| | 11500120048 | Mahtab Alam | | |
| | 11500121130 | Narendra Nath Panda | | |
| 4 | 11500120001 | Abhijit Pal | Software Testing – Application specific techniques | Verification vs. validation, issues & challenges, different test techniques - load, stress, performance, mutation, usability, reliability testing with examples |
| | 11500120017 | Avik Chowdhury | | |
| | 11500120087 | Ankan Ghosh | | |
| | 11500120071 | Arpit Sadhukhan | | |
| | 11500121135 | Bishnudeb Ghosh | | |
| 5 | 11500120082 | Anurag Kumar | Integration testing in software systems | Types of integration testing, uses & applications, using structured chart to understand integration testing sequence, use examples |
| | 11500220012 | Amir faizan | | |
| | 11500120038 | ishika jaiswal | | |
| | 11500120070 | Ashish kushaj | | |
| | 11500220001 | Soumya Biswas | | |
| 6 | 11500120034 | Mriganka Brahma | Software Risk Analysis, Mitigation & Monitoring Plan | Types of software risks, risk handling techniques, risk mitigation techniques, Risk monitoring plan. For your lab case study estimate the risks involved in different categories |
| | 11500120061 | Niladri Ghosh | | |
| | 11500120062 | Neha Raj | | |
| | 11500120112 | Harshita Raj | | |
| 7 | 11500120015 | Debarghya Mukherjee | Integration testing in software systems | Types of integration testing, uses & applications, using structured chart to understand integration testing sequence, use examples |
| | 11500120050 | Koushik Das | | |
| | 11500120089 | Anish Bose | | |
| | 11500120055 | Hrittik Garain | | |
| 8 | 11500120014 | Hrishabh Mukherjee | Agile software development model | What is agile model, features, agile team, advantages over other SDLC models, Disadvantages, application areas |
| | 11500120067 | Ayan Roy | | |
| | 11500120056 | Dipanwita Das | | |
| | 11500120036 | Manjistha Dhar | | |
| | 11500120035 | Moumita Basak | | |

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|---------|----------------|-------------------------|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9 | 11500120040 | Ishita Sengupta | Software Quality Management (SQM) | Need for Quality management, different quality models, their significance and applications. Boehm's model, FURPS model and their comparison |
| | 11500120081 | Anuska Dutta | | |
| | 11500120086 | Baishakhee Sen Sharma | | |
| | 11500120018 | Anirban Sarkar | | |
| 10 | 11500120068 | Ayan Paul | Software Risk Analysis, Mitigation & Monitoring Plan | Types of software risks, risk handling techniques, risk mitigation techniques, Risk monitoring plan. For your lab case study estimate the risks involved in different categories |
| | 11500120080 | Apratim Paul | | |
| | 11500120084 | Anubhav Sharma | | |
| | 11500120069 | Avik Mallick | | |
| | 11500120096 | Ananya Roy | | |
| 11 | 11500120021 | Antra Gupta | Software Testing – Application specific techniques | Verification vs. validation, issues & challenges, different test techniques - load, stress, performance, mutation, usability, reliability testing with examples |
| | 11500120066 | Ayush Mondal | | |
| | 11500120016 | Debadrita Bhattacharyya | | |
| | 11500120116 | Ishika Pain | | |
| | 11500120109 | Isshi Sarkar | | |
| 12 | 11500120049 | Maaitrayo Das | Role of data dictionary in software design | Definition & significance of Data dictionary, use in design process – Data design & process design, Use example DFD and create a DD. |
| | 11500120063 | Debjita Mondal | | |
| | 11500120064 | Debjit Kundu | | |
| | 11500120098 | Ahana Basu | | |
| 13 | 11500320056 | Silbhadra Chakrabarti | UML in software design – Significance & Challenges | UML in software design, commonly used diagrams & their significance, challenges – traceability & consistency issues |
| | 11500121132 | Ayan Manna | | |
| | 11500120085 | Antarip Mukherjee | | |
| | 11500121137 | Akash Bagchi | | |
| | 11500121138 | Krishna Gopal Das | | |
| 14 | 11500120099 | Abhishek Singh | Agile software development model | What is agile model, features, agile team, advantages over other SDLC models, Disadvantages, application areas |
| | 11500120019 | Aditya Nihal Singh | | |
| | 11500120097 | Amar Singh | | |
| | 11500120011 | Arijeet Jana | | |
| | 11500121127 | Nabyendu Barui | | |
| 15 | 11500120110 | Devesh Mishra | Challenges in Software Requirement Analysis | Requirement Analysis phase, techniques, issues & challenges due to informal specifications, problems of formalism, use examples from real life case studies, losses due to s/w spec error |
| | 11500120025 | Kunwar Nripendra | | |
| | 11500120088 | Lucky Saw | | |
| | 11500120117 | Harsh kumar | | |
| | 11500120113 | Arnab Das | | |