Unit-1

Basics of Complier

https://srmap.zoom.us/rec/share/TdYTFRoX5ZczoHwHAtwWLhpVFSyKWTJqvnzvVullh LZ7JFt5rCTTqF9P7nZQjNvY.1Wu7gNe0kiw6ZYl0

Basics of Automata

https://srmap.zoom.us/rec/share/4dYqOVDrVVMtcQninzJmN8A6V6v2savbRTWo- 54SHSwGzpY-ER4U1FwCq4HsXjn0.JUZOyEuqyPxSXMrv

DFA and examples

https://srmap.zoom.us/rec/share/GaojyFktXWlvECBakJMT9sCDBYO- ZIAIXmWVC1Jf8_u2jM_ljxfrPj8MhhMu61my.mKjdVGMBpAg5UUep

DFA more examples

https://srmap.zoom.us/rec/share/TmD5c5qwOcC- 9Dhh8VBK4x4VNdBXkU6DzmFJgV6Ik4HSaHpUCM5Q5U55qJ3f5ek4.D_UIJ9QhpL5P g6yp

NFA definition

https://srmap.zoom.us/rec/share/2khTcGx0L7tdIGGvd8UbeTumwQAqrMw8A- 6V6GcX2HG6ICTLREsrwbNaMLY1Kby9.pfDwg0sZO0zjk0Zm

NFA example

https://srmap.zoom.us/rec/share/IvbVqEAeYuEVu3UKsiDIXNxPqRK5zPQG20H0UYPLc LIPQJ42J6_H0o89xpEQ-0Co.MhSJRpCBINC_5iHn

Converting NFA to DFA (with ε move and with out ε move)

https://srmap.zoom.us/rec/share/Jq0FYl6vy-BsILuk_wOSzlMlJSW- yf2YIv0Ts2Fzpsj8cwM14CeVDvYtbCfMUGK1.sTC7cVQxYItC6cnQ

More example converting NFA to DFA

https://srmap.zoom.us/rec/share/vHjikuXi_-F0Ffs2GECNMHGvvb8p176ivlaD90UEv7BGomNMuafhTgWaL7FV0sX9.mu-3dHP5mxuNnrag?startTime=1613980241000

Regular expression and examples and converting RE to NFA

https://srmap.zoom.us/rec/share/EqSRoNXzEhsIfO0ViGVjLK6zeorAXJvwEMmBy0jzSWfVqtaJ0R3T3-FriW8g1S8C.mNF8Tt8c0uE6cL2b?startTime=1614585009000

Lexical analysis

https://srmap.zoom.us/rec/share/wX2KETT0vxBnIJ6G6TJsYT-N5AxKIU3PQdVMhEmCQoEpy4-QaUuUpomluS3_7m6z.JEVgkfZUT3AL9PW6

https://srmap.zoom.us/rec/share/F3OX-b34d1pC-IOWpM4rzQO5mXckPUtxMlTfh5TGa7zPJm_H1RPg0FD1a_A9UPWj.-6_mDqhEn4ZS0tKO

https://srmap.zoom.us/rec/share/ybeDSaCAqhFdLFvZ8o49SJs_s36wKOJrqbgjX0hUdFtlpfp3-C06QGm0WhC6sBlw.u2xTzgZckrch7pNY

Video recording of extra class as (Lex tool, revision)_
follows: https://srmap.zoom.us/rec/share/S5AT2iv57b0RLxazcf1lkMVsyvwObSrCPmLn6aZ_rorudraFSkoF8sg42UH0Feyo.qGHomoQ4bpPEnYm4

Unit-2

CFG, Parse tree, Ambiguous checking

https://srmap.zoom.us/rec/share/Rew0MUP9fIpMDywaBr35gbRjxWkaexXCSNx0Jadto1O5C7ZpoR0kk9p0VrZMBDe4.RRS3m-oZuIiBU84R

Left Recursion, Left Factorization , Recursive Descent parsing , Computation of FIRST ,
Computation of FOLLOW ,

https://srmap.zoom.us/rec/share/zQT9eYpKSb9lrEVbNGLwiAhxhBxfjH3JDpFIddcyZJ35iUl8PiP5NVAb7Y
bYTjzh.ubYxSMAyPQMmqE-r

LL(1) parsing

https://srmap.zoom.us/rec/share/ngkwQqaxKk0LbU-SmS6aqCV-
haORzfUqeYcBLr9gU6Tf2QR_Yubpc5QA_p_Tg7DU.fBWY1sPIs8oJsRNe

LL(1) Parsing more examples

https://srmap.zoom.us/rec/play/4O4FR7Ud1_w4cvpyMzf6YAufNvanIvprzqotnes7KS2t28MDisN
5A4OAVY_iWTfF9stYOTd6dRJ4PiSz.HLhxSlp-
aMqKbdT5?continueMode=true&_x_zm_rtaid=snZ9c6HqTamcOSJbqFRjQg.1632225305506.0b8
138a286e06548748525db13b1c6b9&_x_zm_rhtaid=848

Unit 3

LR parsing

LR(0) and SLR(1) Parsing

https://srmap.zoom.us/rec/share/t4ay8SB6U_sQpUqElzPbhGjQDmDNwMI1y_-
UAZHgboLp9z2TADn71WGkZ1nEhgCO.djgO5C5RYOX48g2v

LR(0) and SLR(1) Parsing with example

https://srmap.zoom.us/rec/share/5eht4Mxfgdh_JpPsGfcjGvLSlNFd0-3u3S-
VU6c6pNuXAW74-8pv9dyygEASHLQM.D7ovxn7FKf_WPm_b

LR(0) and SLR(1) Parsing with a example and CLR(1) and LALR parsing with example

https://srmap.zoom.us/rec/share/2tsV4xuXM0BhLCQ8GLQvfDhQIFBwPbyd73V3v4hF7
unTTsV9fAGWbIfFLp4i9cOl.8vH4_tlJyleUW6LM

CLR(1) and LALR parsing with a example

https://srmap.zoom.us/rec/share/jD-aogk-sMiQgz34jNL-
VaqeOG2_xZDSTJwUyZPHiEApoNhH0RfOOXGRlD3bl3-M.BfA8yHI6or2PuE1b

Yacc tools

https://srmap.zoom.us/rec/share/NyCPKRU1PTU2NlSONPQ1rTu099Z-
RkJ980arcw9YdMw2VSkdOMANmFzsMBTdggq5.ZAH26yc7hlaypKNz

Unit 4

Introduction to Sematic analysis: Semantic Analysis: Syntax directed translation and S-attributed and L-attributed grammars

https://srmap.zoom.us/rec/share/zok54VgTAP_los1QZlB8FVRvi-aAWgkxas_mxar3t_JEgXBuDhC7Vq4015EAs9Wz.JaDPwJUUmBLT3MnB

Type system: Type expression of Array, Record, product, Pointer and function.
Type checking, type conversions, equivalence of type expressions
https://srmap.zoom.us/rec/share/m6tyPs-RFOzQQKrTBzB1CQKbk0F4HgcbP4xn3d3RGlMUUOiXNm5oA9vfkqf7OSPa.DzT7sW8EncXqMnue

Intermediate code generation, Three address code for statements, Three address code for control flow statements
https://srmap.zoom.us/rec/share/3b8ST2FaJOLesKw_5jDiAjinZhPQo6H_xUFcr_uoxkdg4R8iFlaup1j94CRIwBL3.Ilk_-Ee2xpJkznES

Run time storage management

https://srmap.zoom.us/rec/share/9l4qpG8NUld9t3xltSDifkWKjjzLPNS3V2TmCgjTYFvFRp06Ag4C09ooHlJxxTPQ.cSiFHpJSunovFpDb

Unit 5

Code Optimization and optimization of basic blocks.
https://srmap.zoom.us/rec/share/JIjV9ApMSQMuIHTb5eKmA3nxATKEL1KBHxJ8UwhXkPGsZ-9vY3vkgg40takcC16K.8u0_fTG-dBbow2Co

Code generation
https://srmap.zoom.us/rec/share/l27fz1TpaoQnlbEC47GQp8oHFEQ7k3d19TXuQ7hQa2PVCxSDgS0knPPKqbiNxW5J.e-92fDrzFxel31yL

Register allocation and assignment
https://srmap.zoom.us/rec/share/LxABMtVdJ623Y8RZquWshKFXh0GbBJiNVoHc5KhaYXpb0nQifuun0k6J_rJi_PQj.oVb50i1emMjuIQ0V