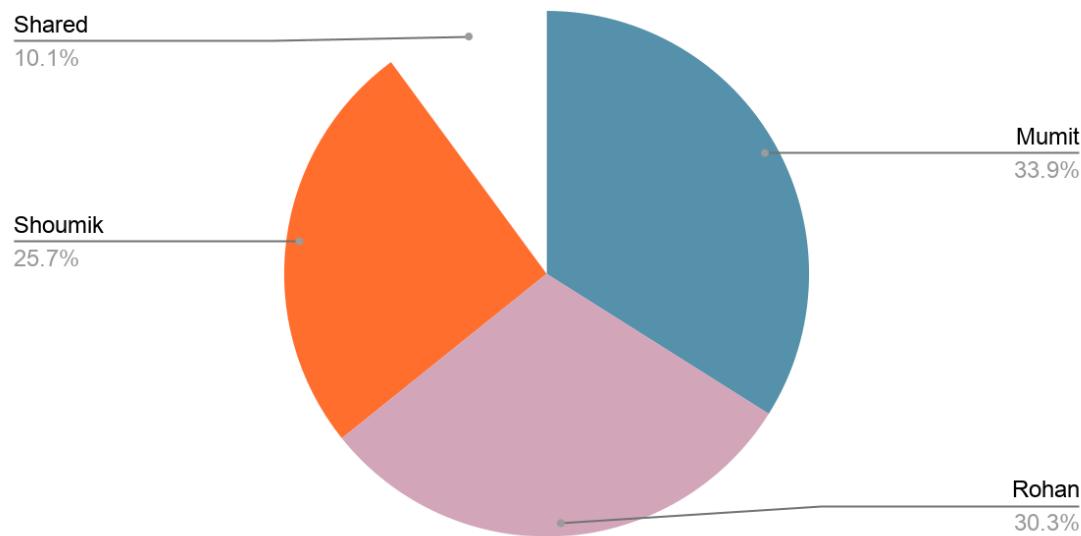


Work Distribution Summary(pooled from checklist) :

Member	Work done
Mumit	Static route planning (Gulshan↔Kamrangirchar + Kamrangirchar↔Gulshan + route cleanup notes), RIP v2 planning + RIP v2 deployment notes, DHCP relay note (ip helper-address 11.37.16.10), EMAIL_ONLY ACL idea + ACL implementation/testing, DNS service setup (www.dhaka.gov record + client DNS testing), HTTP service setup (web enable + homepage + browse test), report artifacts
Shoumik	Router base configs (hostnames + LAN/WAN IPs + interface bring-up + save), WAN bring-up (serial + clock rate + link readiness), initial static routing (Mirpur default route + Motijheel/Dhanmondi static routes), email service setup (SMTP/POP3 + users + send/receive + blocked test), PC IP configuration (static + DHCP clients + gateways + DNS), final routing validation, report artifacts
Rohan	Static route plan (Secretariat↔Gulshan recursive), floating static backup (Motijheel→Secretariat + AD 200), failover testing (shutdown + route table verification), backup link prep (Dhanmondi serial 11.37.100.22/30), DHCP service setup (pools for Mirpur + Dhanmondi + exclusions + gateway/DNS + lease verify), final routing validation, report artifacts

Work Contribution Pie:

Work Contribution



Work Distribution checklist details:

Member	Contribution category	Subtasks	Associated service(s)
Mumit+ Rohan+ Shoumik	VLSM plan	Subnetting for 6 areas; correct masks (/21,/22,/23,/24,/24,/25); usable IP ranges; gateway planning.	Addressing
Mumit	Static route plan	Gulshan↔Kamrangirchar directly-attached; Kamrangirchar↔Gulshan static; cleanup notes for wrong routes.	Routing
Rohan	Static route plan	Secretariat↔Gulshan recursive;	Routing
Mumit	RIP v2 plan	RIP v2 version/no auto-summary; network 11.0.0.0; passive LAN guidance; convergence notes.	Routing
Mumit	DHCP relay note	Documented ip helper-address 11.37.16.10 on Dhanmondi LAN interface.	DHCP Relay
Mumit	Email ACL note	Documented EMAIL_ONLY ACL idea (deny SMTP/POP3 from other subnets; permit any any).	Email security
Shoumik	Router base configs	Hostnames; LAN interface IPs; serial interface IPs; interface bring-up; saving configs.	Core routing infra
Shoumik	WAN bring-up	Serial links configured; clock rate where needed; no shutdown; basic link readiness.	WAN connectivity

Shoumik	Static routing (initial)	Default route on Mirpur; multiple static routes on Motijheel; multiple static routes on Dhanmondi (before RIP fully relied on).	Routing
Mumit	RIP v2 deployment	Enabled RIP v2 on routers shown; no auto-summary; network statement; saved config.	Routing
Rohan	Floating static backup	Configure floating static route Motijheel→Secretariat; adjust AD to 200; confirm route list in running-config.	Backup routing
Rohan	Failover test	Shutdown interface to simulate failure; confirm backup route behavior through route table output.	Backup routing
Rohan	Backup link prep	Address/bring-up Dhanmondi serial interface used for backup path (11.37.100.22/30).	Backup routing
Mumit	DNS service setup	Add DNS A record; map www.dhaka.gov to web server IP; set DNS IP on clients; verify name resolution.	DNS
Mumit	HTTP service setup	Enable HTTP; create homepage content; verify browsing using www.dhaka.gov.	HTTP
Shoumik	Email service setup	Enable SMTP + POP3; create user accounts; send mail within allowed areas; verify blocked areas fail.	SMTP / POP3

Rohan	DHCP service setup	Create DHCP pools (Mirpur + Dhanmondi); exclude gateway/server IPs; assign DNS + default gateway; verify leasing.	DHCP
Shoumik	PC IP configuration	Static IPs for required areas; DHCP clients for required areas; set gateways; set DNS server IP.	End-device config
Mumit	ACL implementation/testing	Apply EMAIL_ONLY ACL to correct interface/direction; verify SMTP/POP3 blocked from non-allowed subnets; HTTP still works.	Security / ACL
Shoumik + Rohan+ Mumit	Final routing validation	Ping between any two subnets; verify RIP learned routes; verify fallback route works when primary fails.	Routing validation
Mumit+ Rohan+ Shoumik	Report artifacts	Topology diagram; VLSM tree; IP table; router command list; screenshots of service tests.	Documentation