**PRADEESH**

*pradeesh.375505@2freemail.com*

**Job Objective**

***Seeking senior assignments in Design, Project Management with an organization of repute in Construction sector***

**Profile Summary**

* **Technically competent Electrical Engineer** with robust experience acquired over nearly 15 years’ in diverse areas engineering consultancies encompassing designing, master planning of massive developments, engineering calculations, etc.
* **Creative, technical and managerial** **prowess** deftly applied in managing varied & large multidisciplinary/complex projects, entailing documentations, engineering, QA and safety audit, crisis management, cost effective solutions, operations and maintenance systems. Sound exposure to traffic engineering concepts, and enterprise risk management
* Deft in developing detail design packages for construction activities in case of **Health Care, Institutions, Residential, Commercial, Refinery, Airport, Industrial, Highways and Infrastructure Projects**
* Significant expertise in implementing International Codes includes **IEE, BS, IEI, HTM, CIBSE, NFPA, NEC & IEC and GCC** Local Authority Rules &Regulations like **DEWA** - Dubai Electricity & Water Authority, KHARAMAA–Qatar, **MMUP** -Ministry of Municipal & Urban Planning, **EDD** - Electricity Distribution Directorate Bahrain, **ADCD** - Abu Dhabi Distribution Company, **SASO** - Saudi Arabian Standard Organization, Estidama - Abu Dhabi, & IS,NBC - Indian Standards
* Possess excellent relationship management, analytical & negotiation skills with deftness in swiftly ramping up projects in coordination with clients, contractors, vendors and consultants
* **Meticulous and structured approach** with a unique blend of managerial, technical, analytical and qualitative skills backed by a strong record of people management and resource optimization. Thorough professional, with high calibre, work orientation and ability to bridge the communication gap between business and tech teams

**Career Progression**

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|  | **Parsons International Limited, Doha, Qatar** *Founded in 1944, Parsons an engineering, construction, technical, and management services firm with revenues of $3.2 billion in 2015. Parsons is a leader in diversified markets, covering infrastructure, industrial, federal, and construction.* |

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***Sr. Electrical Engineer*** *Nov’14 – Nov’17*

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| * Implement both short and long-term strategies and plans to lead the electrical and utility design team of **Doha Express way projects operations and GEC Projects, Contract 2 (Area 4 Doha South)**
* **Electrical Design Reviewer of New Orbital Highway (NOH2) - Qatar**
* Submission and obtaining design and material approvals from the respective stakeholders as per look ahead programs
* Maintain and continually grow knowledge of cable installation and termination of joint
* Liaise extensively with Site & Design Team while providing technical assistance to the construction team

**Highlights**:* Introduced innovative cable stacking arrangement for the corridor constraint areas and saved billions of Qatar riyals in the region
* Street lighting and tunnel lighting design as per BS-5489 Parts 1 and 2 and CIE 140 and CIE and CIE 88 and IESNA, IESNA RP-8-00
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| https://media.licdn.com/mpr/mpr/shrink_200_200/AAEAAQAAAAAAAAaOAAAAJDIxODQzYjdiLWIwMzctNDIwMS1iMjQ0LTU4MzYzMWMxMGQ2ZA.png | **Abdullah A.M.Al-Khodari Sons Co. Khobhar, Saudi Arabia** *Abdullah A. M. Al-Khodari Sons Company is a multifaceted general contracting company whose success rests on its highly skilled and dedicated team of professionals* |

***Sr. Electrical Design Engineer***  *Sep’12 - May’14*

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| * Responsible for the design, calculations, coordination with stakeholder and obtaining approvals
* Handle sites, coordinate project activities, and provide technical inputs. Carry out a survey and investigation of projects/schemes as per contract specifications
* Interpret drawings and studies contract documents and applicable standards/ specifications prior of execution jobs
* Responsible for securing all raw materials and equipment’s needed for project in accordance with project plan and material specifications
* Keep client and consultants informed of commercial activities and progress through collaborative working

**Highlights:*** Holds the merit for electrical redesigning to meet the project specific requirements and ultimately saved millions to the organization
* Displayed excellence in handing multiple projects which includes Taibah University and Abqaiq (100 bed hospital) Health care projects
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|  | **Tilke & Partners W.L.L., Bahrain** |
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***Team Leader-Electrical*** *Jan’11- Jul’12*

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| * Design In-charge of electrical design, Coordination with architecture, structure and Mechanical for two health care projects of Sheikh Khalifa Medical city

**Highlights:*** Responsible for preparation of specifications & finalization of requirements, and estimating BOQ for the project work
* Supervise all aspects of permit approval: look after legal and other contractual documents
* Design and Delivered of two health care projects – Sheikh Khalifa Medical City (838 bed hospital which included General Hospital, Women's Hospital, Paediatric Hospital, 20 major OT, imaging, etc.) and Rehabilitation centres (160 Beds). Project awards for SKMC: 2012 Cityscape Abu Dhabi - Best sustainable development award and 2012 Hospital Build and Infrastructure – Best Sustainable Hospital Project A
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| **http://www.techgig.com/files/Welcome_to_MSCEB.png** | **Mohammed Salahuddin Consulting Engineers & Bureau, Bahrain / Qatar** |
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***Electrical Engineer*** *May’07 - Dec’10*

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| **Role:** Design and Supervision Consultant**Highlights:*** Successfully managed complete cycle of project activities through planning & tracking progress and took necessary measures to stay on course
* Successfully recommended cost-effective measures& provided economic / viable engineering solutions
* Successfully created most discussed documents for Electrical Design Spread Sheet in Scribd Website, Publications includes ECS, BS\_EDS, OEC 14, and BS\_EC
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| http://umspk.com/wp-content/uploads/2015/03/bk-gulf-llc.jpg | **BK Gulf L.L.C. (Dutco Balfour Beatty Group), Dubai, U.A.E.** |
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***Electrical Site Engineer*** *Apr’06 - May’07*

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| **Highlights:*** Successfully conducted voltage drop calculations of bus bars & cables and designed the containments as per groupings
* Contributed in implementing International Codes like BS, IEEE & NFPA Preparing master schedules & weekly / monthly progress reports for all projects including earned value, milestones, BOQ, techno-commercial bids, cash flow & budgets
* Steering the successful rollout of projects with accountability of defining scope, setting timelines, analysing requirements, prioritising tasks and identifying dependencies as per pre-set budgets
* Management of manpower, material, and tools for site activities, maintain safe, secure, and healthy work environment by following and enforcing standards and procedures; complied with legal regulations
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| images (1) | **Kausi Consultancy Services, Chennai, India** |
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***Electrical Design Engineer (Part time)*** *May’02-Apr’06*

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| **Highlights:*** Worked on Switch Gears, Substations, Lighting, Power, Panels, Controls & Earthling
* Handled the preliminary estimate of electrical load, conceptual scheme & space requirement for electrical plant rooms; coordinated with single line diagram, electrical distribution design, lighting design & light fittings
* Conducted progressive site visits for stage inspection; prepared electrical drawings like Schematic Single Line Diagram that briefly indicated the electrical scheme of distribution / utilization
* Drafted the bill of materials as per prepared scheme / layouts that indicated the electrical equipment used / its quantity
* Developed cable schedule and revised the drawings & documents based on the comments of clients
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**I T Skills**

* Conversant with AutoCAD (4 Levels), Autodesk Revit MEP, Map 3D, Civil 3D and Internet Applications
* Well versed with Electrical Design Software - **ETAP, CYME, Amtech, Ecodial, Curve Direct, Simaris, Hevacomp, Dialux, Trilux & Calculux**
* Skilled in MS Office, Microsoft Project, Primavera, Photoshop, Macromedia Flash and 3D Max

**Professional Degrees & Training**

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| **M. Tech. (Power Systems), KSOU**, Mysore, India, 2013 |
| **B. Tech. in Electrical and Electronics Engineering,** All India Institute of Technology and Management, Chennai - India, 2006 |
| **Diploma in Electrical & Electronics Engineering,** Board of Technical Education, Chennai, 2002 |
| **LEED Green Associate, USGBC-Training in ‘Green Building Principles’**, 2013 |
| **PMP** **Professional Training**, 2007 & 2015  |

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**Professional Memberships**

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| **MIET – Member of The Institution of Engineering and Technology – Member no: 1100597303** |
| **Member of Project Management Institute (PMI) – PMI ID: 1184360** |
| **Associate Member of Institution of Engineer, India (IEI), 2007 – AMIE No: M133857-3** |
| **EXCOM of KEEN4-Bahrain (Kerala Engineers Forum)**,2012 |

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**Additional Information**

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| **Passport Status** |  valid up to 22nd March, 2021 |
| **Driving License**  | * GCC & Indian Driving License
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| **Date of Birth****Languages** | * 28th March 1984
* English, Hindi, Malayalam & Tamil
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| **References** | * Available upon request
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 **Annexure**

***At Parsons International, Doha, Qatar***

Projects: **GEC** - Doha South Area 4 in the following projects:

* DS 007 P01, P02, P03 - West of AL Meshaf,
* DS 016 P01, P02, P03 - Wakhrah West MMUP
* DS 101 – Al Aziziya
* DS 131 – Government Residential division project in north of Al Wukair
* DS 132 – Roads and Infrastructure in Ain Khalid (Zone 56)
* DS 133 – Roads and Infrastructure in Wakrah North
* Ds 134 - Roads and Infrastructure in Maamoura
* DS 136 P04, P05, P06, P07 – Development of Commercial RD to Wakrah Main Road
* DS 140 – Semaisma
* DS 141 – Al Kheesa
* DS 142 – Al Sheehaniya
* DS 143 – West of Umm Slal Ali
* DS 144 – Wadi Al Banat

Project Description: General Engineering Consultancy Services for Local Roads & Drainage Programme

Period: Since January 2017

Responsibilities:

* Design of EHV/HV, MV and LV networks
* Coordination with stakeholders (KME, PMC,..)
* Attending coordination meetings
* Reviewing RFI, material submittals
* Preparation of technical specifications and reports
* Reviewing BOQ according the design and requirements

Project: **New Orbital Highway** – Contract 2 (**NOH2**)

Project Description: 41 KM of 7+7 lanes carriageway and truck route

Period: Since January 2016

Responsibilities:

* Design reviewer of EHV networks, MV networks and LV networks
* Design reviewer of Street lighting and structural (tunnel, underpass, ramp, braid) lighting

Projects: **Doha Expressway Programme** in the following projects:

* Group 2 Project 09 and Project 27
* Group 9 Project 28 (Contract 2 and Contract 3)

Project Description: Major roads in the center of Doha, Qatar

Period: Since November 2014

Key Result Areas:

* Preparation of particular specifications
* Land appropriation for substations and Right of way Mitigation study
* Developing cable arrangement options for constraint corridors (cable stacking, Cable gallery, Cable tunnel)
* Preparing and conducting presentation, workshop to clients and to agencies
* Design guidelines and review for the required lighting and electrical networks
* Review of lighting calculations (street lighting calculations, underpass lighting calcs, cable tunnel lighting cals, parking area lighting cals, utility buildings lighting calcs, outdoor area lighting calcs) Street lighting and tunnel lighting design as per BS-5489 Parts 1 and 2 and CIE 140 and CIE and CIE 88 and IESNA, IESNA RP-8-00
* Coordination meetings with the local authorities and the client consultants (PMC) for the street lighting network design approvals.
* Preparation of technical reports
* Responding to Comment response from PMC and respective agencies
* Coordination with roadway, structural and utilities
* Performing calculations – Ampacity, short circuit, Voltage drop, Load flow analysis

***At Abdullah A.M.Al-Khodari Sons Co., Khobhar, Saudi Arabia***

Project: **Taibah University** at Madinah, Kingdom of Saudi Arabia

Description: project is based on B603 & B403 Deanship Supportive Building.

Period: Sep’12-May’14

Key Result Area:

* Actively involved in MEP contracting including Power distribution, lighting, power, containment, access control, audio, video, BMS, fire alarm, master clock system, ICT, IPCCTV, lighting control system, parking management, public addressable& IPTV

Project: **Abqaiq Hospital** at Abqaiq, Kingdom of Saudi Arabia

Description: General Hospital - 100 Beds

Period: Jun’13-May’14

Key Result Areas:

* Checked, reviewed & submitted the design as per NEC & SASO norms
* Involved in detailing of all medical & clean areas.
* Implemented the amicable zone wise power utilization / distribution
* Finalizing of extra low voltage systems includes nurse call system, ICT, ibms, fire alarm system, Security services, evacuation systems

***At Tilke & Partners W.L.L., Bahrain***

Project: **Sheikh Khalifa Medical City (Awarded Best Sustainable Development by Cityscape Abu Dhabi 2012)**

Project Description: The Sheikh Khalifa Medical City was a 246,250 square meter 838-bed medical complex in the heart of Abu Dhabi. It was conceived as “3 Hospitals Under 1 Roof” (medical complex was combined a General Hospital, Level 1 Trauma Center, Tertiary Women's & Pediatric Hospitals)

Project: **Rehabilitation centre – 100 Beds**

Key Result Areas:

* Identified & finalized electrical loads based on health care risk category (clinical and non-clinical) as per HTM power densities from concept stage.
* Designed primary source, secondary source and tertiary sources as per HTM 06-01
* Designed main LV Distribution Schemes, Main Panels, Sub-Main Panels &Motor Control Centre
* Estimated the ratings & quantity of major electrical equipment (Transformers, Diesel Rotary /Dynamic UPS, Diesel Generator, Static UPS, Battery & IPS).
* Developed the detail design for medical rooms including OT - operation theaters (C5), Imaging rooms (C4 and C3) by ADB software, also as per BS7671 section 710 medical locations.
* Coordinated with MEP, Architectural & Structural for conductor routings, shaft sizing, openings, containment layouts and space management for electrical rooms
* Involved in estimation of medical equipment loads & provided conditioned power via Isolated Power Supply for clinical risk category 5 areas.
* Design of fire zones for life safety design as per the civil defense requirements.
* Designed the redundant provision for secondary & tertiary power supply; conducted electrical design calculations (Panel Schedules, Cable Schedules, Tray, Short Circuit &Voltage Drop)
* Developed Central Battery System to meet the local civil defense requirements (ADCD) & respective DIN/ VDE 0108, BS5266, NFPA, HTM & ICEL standards.
* Preparation of technical specifications comprises HTM 06-01 and HTM 06-02
* Design of Busbars, auto and static operations of Normal power, generator power and DUPS (Hitec) pure sinusoidal power

***At Mohammed Salahuddin Consulting Engineers & Bureau (MSCEB)***

Project: **Raffles City Bahrain**

Period: May’07-Feb’08

Project Description: It was considered as an integrated development that spanned 288,000 square meters of high-end residential, serviced residences &retail space. Maximum Demand load of 32 MVA distributions from 4 No. 11 KV secondary sub-stations having 27 No. of 1500 KVA Transformers & Emergency DG Sets.

Project: **Riffa Views**

Period: May’07-Apr’08

Project Description: Project involved 3 unique residential estates such as Lagoons, Oasis &Park (Mace was the project Management Consultant).

Project: **Souk-Al-Arabia**

Period: Mar’09-Aug’09

Project Description: It involved an Arabian Gulf Traditional Mall of approximate 1,41,263 sq.mtr including 15 Storied Serviced Apartments, 2 Nos. of 12 storied apartments for Sale , Retail Shops, F & B units, Restaurant & Basement Car Parking for Mian Property Management at Bahrain.

Projects: **Park Inn Hotel**

 **Diyar Al Muharraq**

 **Falcon Center in Royal Court Palace, Bahrain**

Key Result Areas:

* Conducted a brief study on the project including the requirements from client side / local authority rules / cost estimation / cost saving / energy saving & advanced technologies
* Decided for the required inputs from the infrastructure, recommended for substations & confirmed the number of transformers to be required
* Finalized the size of transformers, equipment, and cables & layouts; submitted the same to the local authority & got approval from them
* Developed electrical design calculations of load &maximum demand, transformer sizing, diesel generator sizing, short circuit, voltage drop, capacitor sizing, cable sizing, earthling, lighting, UPS/ inverter and battery sizing
* Distributed the schemes to be prepared by schematics & carried out typical layouts as per architectural & structural layouts
* Managed the shaft requirements of cables & busbars routings, dealt with space requirements of electrical rooms and informed the same to Architects
* Managed all kinds of ELV services like telephone, data, fire alarm, security, voice evacuation & BMS
* Liaised with Specialist Consultants from the market, finalized the advanced systems & incorporated in the project
* Designed the lightning protection by Conversional & Early Warning Methods and handled the earthings by Individual as well Mesh Method
* Developed lighting, small power, earthing & miscellaneous layouts
* Created equipment layouts like substation, plant rooms and other detail layouts including sectional details
* Reviewed & approved the shop drawings/material submissions as per standards (BS, IEE, IEEE, NFPA, NEC &IEC)
* Checked the manufacturer’s recommendations and ensured that the installations instructions were followed & approved for erection and installation
* Attended all Technical/Co-ordination/Progress/ Safety Meetings / Safety Walk / HSE Meetings as Safety Engineer Representative with consultant
* Checked the Non-Compliance Reports for the site activities including MEP &safety issues
* Witnessed the test &commissioning (like Volts, Amps, controls, Isolation, Insulation, Continuity, Polarity, Tripping, Earthing & Earth Fault Loop Impedance)
* Checked the measured parameters and adequately entered in the commissioning report (Multimeter, Megger’s, Polarity Tester &Loop Impedance Tester)
* Involved in snagging, de-snagging and approving the as built drawings and O& M manuals; handed over the project to Client’s Representative and performed the project presentation

***Other Projects at Qatar***

Project: **Emergency Loading Area for Qatar Petroleum (MPPL)**

Period: Apr’08-Mar’09

Description: Electrical Supervision consultant

Key Result Areas:

* Planned the implementation of Transformers, Ring Main Units, Change Over Switches, Interlocks, Generators, HV / MV (LV) Switchgears, Motor Control Centers, UPS / Invertors, Capacitor Banks, Cable Trays, Bus-Ducts, Pole Lights, Light Fittings, Exit Signs, Power Outlets, Connection Units, Isolators, Motors, Fans and Cable Laying – joining – CAD Welding – Glanding& Termination of HV / MV / LV / Control Cables
* Involved in route selection & gathered environmental data for basic data determination; tested the procedures for Inclusion In Work Method Statements
* Looked after various engineering activities like Grounding & Shielding Design, High Voltage Cable Selection, Sheath Voltage, Calculation, Surge Arrestor Sizing, CT Sizing, AC & DC Auxiliary System Design, Battery & Charger Capacity, Equipment Terminal Force, Short Circuit Force Calculation, Sag / Tension Calculation, Bus Bar Sizing, Input for Gantry & Equipment Support Structure Design, Equipment Sizing, EHV Switchgear Selection, Layout, Trenching and Tray & Support System
* Conducted the insulation coordination / power system studies and harmonic analysis
* Handled the control scheme, scheme modification, interface engineering cable termination schedule and relay setting / coordination

Title: **New Arrival Terminals for Qatar Airways–International Airport**

Period: June’08-Nov’09

Description: Review of electrical design and documentations

* Developed tender documents, contract procedures & technical specification for evaluation of bids & preparation of BOQ; performed the preliminary & final design for witnessing the factory testing of insulation &fittings

***At BK Gulf L.L.C. (Dutco Balfour Beatty Group), Dubai, U.A.E.***

Project: **The Index Tower**

Period: Apr’06-May’07

Description: The Index Tower was 86 floors high-end residential apartments including 12 penthouses, 25 floors

 of office @ DIFC Site for Union Properties at Dubai U.A.E. (Hyder consulting was MEP Consultant). Maximum demand load of 30 MVA distributions from 4 Nos. of 11 KV secondary substations (2 in Ground floor, 1 in 28th floor and 1 in 72nd floor) having 26 Nos. of 1500 KVA Transformers & Emergency DG sets.

Key Result Areas:

* Handled the principles of electrical & mechanical technical areas along with other technical disciplines
* Rendered technical direction and assigned work to Electrical Engineers, Designers & Draftsmen who assisted on specific assignments
* Developed high level & conceptual drawings / documentation within electrical disciplines like Main Single Line, Project Scope / Design Criteria and layouts
* Generated conceptual calculations such as power system short circuit, loading flow studies and voltage drop calculations
* Created specifications for major equipment / one of a kind purchase such as Generators, Central Emergency Battery System &LV Distribution Systems
* Conducted follow ups with suppliers &guiding the QS in preparing bid tabs; checked take offs quantities & IPRs and confirmed the same
* Looked after RFIs & CVIs and confirmed the same for execution; handled inspection request for the consultant and attended with them for rectifying their comments
* Attended the site problems and discussed with other trades to find an amicable solution; ensured that there was no deviation from agreed work scope, contract agreement &ETC
* Compared & detected variations between consultant design & MEP workable design; checked the electrical shop drawings for the site use
* Conducted site surveys and drafted technical reports; involved in sizing & selection of cable Trays, Trunking, Ducts, Trenches &Shafts
* Prepared Cost Plan estimation of the projects for tendering as per load schedules of LV Panels, Sub Main Panels, Sub Main Distribution Boards, etc.

***At Kausi Consultancy Services, Chennai***

Projects: **Tata Tele-Services at Trivandrum & Calicut / ABN AMRO Bank at Tirupur / ABN AMRO Bank at Chennai / Deccan Plaza Hotel at Chennai / American School at Chennai / Taj Connemara Hotel at Chennai / Grunfos Pumps at Chennai / The Trident Hilton Hotel at Chennai / VSNL at Chennai / Arihant Raheja Towers at Chennai / HSBC at Hyderabad / HSBC at Kolkata / Games Village at Assam / Deloite at Hyderabad**

Period: May’02-Apr’06

Description: Responsible for Design, BOQ and Drawings& Calculations

Key Result Areas:

* Handled the electrical design calculation for projects with details in the schedule of materials provided by respective client who dealt with sizing &rating of all electrical equipment
* Designed the lighting by individual fitting methods, electrical building services & various software
* Handled the preliminary estimate of electrical load, conceptual scheme &space requirement for electrical plant rooms; coordinated with single line diagram, electrical distribution design, lighting design &light fittings
* Conducted progressive site visits for stage inspection; prepared electrical drawings like Schematic Single Line Diagram that briefly indicated the electrical scheme of distribution / utilization
* Drafted the bill of materials as per prepared scheme / layouts that indicated the electrical equipment used / its quantity
* Developed cable schedule and revised the drawings &documents based on the comments of clients