

2nd International Conference on Communication, Computing and Networking (ICCCN-2018)

(29-30 March, 2018)

PROGRAMME SCHEDULE (DAY-1) 29th March, 2018

Registration & Inauguration (Venue: S. S. Bhatnagar Auditorium)

08.30 am onwards	Registration (at Registration Desk)
10.00 am-11.00 am	Inauguration Ceremony
Chief Guest	Prof. Raghuram Rao Akkinapally, Director, NIPER Mohali
Guest of Honour	Prof. Dr. MD Mamun Bin Ibne Reaz Universiti Kebangsaan Malaysia, Malaysia
Guest of Honour	Dr. Biplab Sikdar Associate Professor, National University of Singapore, Singapore
Student Volunteers	Megha Vasudev, Apanveer Kaur, Suman Lata, Abhinav, Shachi Battar

Tea Break (11.00 am -11.15 am)

Technical Session – I-A (Venue: Conference Hall)

Duration	11.30 am-01.30 pm
Theme	Computing Technologies
Invited Talk&Session Chairperson	Dr. Biplab Sikdar National University of Singapore, Singapore
Session Co-Chair	Dr. B. S. Pabla
Rapporteur	Ms. Shimmi S.L.
Session Coordinator	Ms. Mala Kalra
Student Volunteers	Vaishali Madaan, Rohit Singh, Vaishali

ICCCN-18-61	Distributed Mutual Exclusion Algorithm With Improved Performance Amit Kumar Maurya, Arvind Kumar, Akhilesh Kumar Mishra, Bharat Kumar and Priyanshu Vishwakarma
ICCCN-18-110	Recent Trends in Green Cloud Computing Shatakshi Kaushal , Dweep Gogia and Bishwesh Kumar
ICCCN-18-125	A Fog Computing based Battery Swapping Model for Next Generation Transport Md Muzakkir Hussain, Mohammad Saad Alam and M. M. Sufyan Beg
ICCCN-18-164	A Modified FIFO with Distributed and Pipelining Scheduling in Hadoop Sunil Kumar and Maninder Singh
ICCCN-18-217	Understanding Concepts, Future Trends and Case Studies of Big Data Technologies Khyati Ahlawat and Amit Prakash Singh

ICCCN-18-227	Issues in Software Defined Networking Amit Nayyer, Aman Sharma and Lalit Awasthi
ICCCN-18-231	Feasibility of Fog Computing in Smart Grid Architectures Md Muzakkir Hussain, Mohammad Saad Alam and M.M. Sufyan Beg
ICCCN-18-232	A Hybrid Approach for Energy-Efficient Task Scheduling in Cloud Sunil Kumar and Mala Kalra
ICCCN-18-238	Improving the Performance of Pre-Copy Virtual Machine Migration Technique Aditya Bhardwaj and C. Rama Krishna
ICCCN-18-270	Improved Active Monitoring Load Balancing Algorithm in Cloud Computing Pawan Kumar and Rakesh Kumar
ICCCN-18-287	Analyzing Privacy Issues In Cloud Computing Using Trust Model Parmod Kalia, Dr. Sanjeev Sofat, and Dr. Divya Bansal

Technical Session – I-B (Venue: New Committee Room)

Duration	11.30 am-01.30 pm
Theme	Software Systems
Invited Talk & Session Chairperson	Prof. (Dr.) Jitender Kumar Chhabra Professor NIT Kurukshetra, Haryana
Session Co-Chair	Dr. S. S. Dhami
Rapporteur	Dr. K. C. Lachwani
Session Coordinator	Ms. Shano Solanki
Student Volunteers	Swati Nautiyal, Chandrawal Kaur, Minalini Goyal

ICCCN-18-84	Systematic Review of Dependencies in Source Code of Software and Their Categorization Mrinaal Malhotra and Jitender Kumar Chhabra
ICCCN-18-103	Efficacy of Softwares for generation of Dental Aligners Divya Bajaj, Aditi Rawat, Deepkamal Kaur Gill, Mamta Juneja and Prashant Jindal
ICCCN-18-104	Craniofacial Model Generation Using CAD/CAM Software Aditi Rawat, Deepkamal Kaur Gill, Divya Bajaj, Mamta Juneja , Anand Gupta and Prashant Jindal
ICCCN-18-113	Dimensional Accuracy of Surgical Guides fabricated from different materials using 3D printer Deepkamal Kaur Gill, Divya Bajaj, Aditi Rawat, Yash Gopal Mittal, Mamta Juneja and Prashant Jindal
ICCCN-18-124	Reliability Aware Design and Performance Analysis of QCA Based Exclusive-OR Gate Gurmohan Singh, R. K. Sarin and Balwinder Raj
ICCCN-18-126	Design of Low Noise Amplifier for 802.16e Makesh Iyer and Dr.T. Shanmuganatham
ICCCN-18-142	The Effect of Various Parameters on the Nozzle Diameter and 3D Printed Product in Fused Deposition Modelling: An Approach Jayant Giri, Ajit Patil and Harish Prabhu
ICCCN-18-143	Computational Technique for Onset of P-Wave for Seismic Alert System Satish Kumar, Pawan Kapur and Renu Vig
ICCCN-18-203	IFSOM: A Two Phase Framework for COTS Evaluation and Selection Vikram Bali, Shivani Bali and Sushila Madan

ICCCN-18-239	An Artificial Fuzzy Logic Intelligent Controller based MPPT for PV Grid Utility Neeraj Priyadarshi, Farooque Azam, Akash Kumar Bhoi and S. Alam
ICCCN-18-281	Identification and classification of water stressed crop using Hyperspectral data: A Case study of Paithan Tehsil Sandeep V. Gaikwad, Amol D. Vibhute, K. V. Kale, S. C. Mahrotra, Rajesh K. Dhumal, Amarsinh B. Varpe and Rupali R. Surase

Lunch (01.30 pm– 02.00 pm)(Venue: Har Gobind Khorana Guest House)

Technical Session – II-A (Venue: Conference Hall)

Duration	02.00 pm-04.00 pm
Theme	Wireless Networks
Invited Talk & Session Chairperson	Sh. Mani Madhukar IBM Digital Ecosystem Group, Bangalore
Session Co-Chair	Dr. Rajesh Mehra
Rapporteur	Ms. Shimmi S.L.
Session Coordinator	Dr. Rakesh Kumar
Student Volunteers	Pooja Sharma, Neha Tarar, Reetu

ICCCN-18-25	Mitigating the Effect of Node Selfishness in Mobile Social Networks Dr. Sobin C C
ICCCN-18-50	Energy Efficient Sector-based Clustering Protocol for Heterogeneous WSN Suniti Dutt, Gurleen Kaur, and Sunil Agrawal
ICCCN-18-82	Research Challenges in Airborne Ad-hoc Networks (AANETs) Pardeep Kumar and Seema Verma
ICCCN-18-112	Real-Time Implementation of Scheduling Policies for Education using Raspberry Pi- A Review Payal Kamboj, C Ramakrishna and SRN Reddy
ICCCN-18-127	Performance Evaluation of LEACH Protocol Based on Data Clustering Algorithms Mohit Mittal and Satendra Kumar
ICCCN-18-136	Performance Analysis of 3D WSN with Change in Rain Intensity Raunak Monir, Ranjana Thalore and Partha Pratim Bhattacharya
ICCCN-18-159	A Survey On Wireless Sensor Networks Coverage Problems Aastha Maheshwari and Narottam Chand
ICCCN-18-169	Analysis of Existing protocols in WSN based on Key Parameters Charu Sharma and Rohit Vaid
ICCCN-18-205	Cellular Learning Automata-based Virtual Network Embedding in Software-Defined Networks Dipanwita Thakur and Manas Khatua
ICCCN-18-218	Energy-efficient Delay-aware Preemptive Variable-length Time Slot Allocation Scheme for WBASN (eDPVT) Tamanna Puri, Rama Krishna Challa and Navneet Kaur Sehgal
ICCCN-18-255	Smart Irrigation System Using Cloud and Internet of Things Suresh Koduru, Prasad Reddy Pvgd and Preethi Padala
ICCCN-18-289	IoT-based Condition Monitoring and Fault Detection for Induction Motor R. Kannan, S. Solai Manohar and M. Senthil Kumaran

ICCCN-18-293	Smart Parking - A Wireless Sensor Networks Application using IoT Suman Balhwan, Deepali Gupta, Sonal and Prof. SRN Reddy
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Technical Session – II-B (Venue: New Committee Room)

Duration	02.00 pm -04.00 pm
Theme	Networks Security and Privacy
Invited Talk & Session Chairperson	Mr. Ch A S Murty Joint Director C-DAC, Hyderabad
Session Co-Chair	Dr. Lini Mathew
Rapporteur	Dr. K.C. Lachwani
Session Coordinator	Mr. Amit Doegar
Student Volunteers	Vartika, Ankita Dhiman, Ishana Attri

ICCCN-18-6	Experimental Analysis of DDoS Attacks on OpenStack Cloud Platform Aanshi Bhardwaj, Atul Sharma, Veenu Mangat, Krishan Kumar and Renu Vig
ICCCN-18-13	Survey of Transport Layer Multihoming Protocols and Performance Analysis of MPTCP Anurag Jagetiya, Prof. (Dr.) C. Ramakrishna and Yousuf Haider
ICCCN-18-21	Authenticating Mobile Phone Users Based On Their Typing Position Using Keystroke Dynamics Baljit Singh Saini, Navdeep Kaur and Kamaljit Singh Bhatia
ICCCN-18-49	Differential Privacy Framework: Impact Of Quasi-Identifiers On Anonymization Gurjeet Kaur and Sunil Agrawal
ICCCN-18-55	Preserving User Location Privacy in Era of Location Based Services: Challenges, Techniques and Framework Rigzin Angmo, Veenu Mangat and Naveen Aggarwal
ICCCN-18-59	Efficient Key Distribution And Mutual Authentication Mechanism Using Modified Needham Schroeder And Otway Rees Protocol For Cloud Environment Ashwani Kumar Vashishtha, C. Rama Krishna and Rajiv Chechi
ICCCN-18-87	An Identity-Based Authentication Framework for Big Data Security Vinod Kumar, Musheer Ahmad and Pankaj Kumar
ICCCN-18-90	Performance Analysis Of Clone Node Attack In Wireless Sensor Network Sachin Lalar, ShashiBhushan and Surender
ICCCN-18-123	A Novel Approach of Optic Disc Detection for Diagnosis of Diabetic Retinopathy Aakanksha Mahajan, Sushil Kumar and Rohit Bansal
ICCCN-18-234	Human Electroencephalographic Biometric Person recognition system Nagsen Bansod, Siddharth B. Dabhade, Jitendra N. Dongre, K.V.Shende, S.Bhable, S.Maher, S. Thorat, K.Ankushe, S Tharewal, V. S. Jadhav, K. V. Kale
ICCCN-18-261	Identifying Various Risks in Cyber-Security and Providing a Mind-map of Network Security Issues to Mitigate Cyber Crimes Neelam Saleem Khan, Mohammad Ahsan Chishti and Mahreen Saleem
ICCCN-18-265	Traffic heterogeneity analysis in an energy heterogeneous WSN routing algorithm Deepak Sharma, Amarendra Goap, A K Shukla, Priyanka and Amol P Bhonekar

Technical Session – II-C through Video-Conferencing(Venue: Ramanujan Block)

Duration	02:30 pm-04:00 pm
Session Chairperson	Ms. Mala Kalra
Rapporteur	Mr. P. S. Rao
Student Volunteers	Shweta, Kamaldeep, Manisha Malik, Pawan Kumar, Vikas Kashtriya, Jasmine Kaur

ICCCN-18-10	Social Spider Foraging Based Resource Placement Policies in Cloud Environment Preeti Abrol and Savita Gupta
ICCCN-18-32	BATMAN: Blockchain based Aircraft Transmission Mobile Ad-hoc Network Arushi Arora and Sumit Kr Yadav
ICCCN-18-102	Big Data Biggest Problem: Load Imbalancing Kanak Meena and Dr Devendra K. Tayal
ICCCN-18-152	Object Oriented Dynamic Coupling and Cohesion Metrics: A Review Navneet Kaur, Aradhana Negi and Hardeep Singh
ICCCN-18-209	HL-7 Based middleware Standard for Healthcare Information System: FHIR Meenakshi Sharma and Himanshu Aggarwal
ICCCN-18-219	Improved TDMA Protocol for Channel Sensing in Vehicular Ad Hoc Network Using Time-Lay Ranbir Singh and Kulvinder Singh Mann
ICCCN-18-226	A Novel Approach for Classification of Leukemia using Artificial Bee Colony Optimization Technique and Back-Propagation Neural Networks Rudrani Sharma and Rakesh Kumar
ICCCN-18-242	Text Summarization using WordNet Graph based Sentence Ranking Amita Jain, SonakshiVij and DevendraK Tayal
ICCCN-18-243	Hybrid Classifier for Bone Age Assessment Amandeep Kaur and Dr. Kulvinder Singh Mann

High Tea (16.00 Hrs)

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PROGRAMME SCHEDULE (DAY-2) 30th March, 2018

Technical Session – III-A (Venue: New Committee Room)

Duration	9.00 am-11.00am
Theme	Data Science-I
Invited Talk & Session Chairperson	Dr. Biplab Sikdar National University of Singapore, Singapore
Session Co-Chair	Dr. B. C. Chaudhary
Rapporteur	Mr. Amardev Singh
Session Coordinator	Ms. Shano Solanki
Student Volunteers	Vaishali Madaan, Rohit Singh, Vaishali

ICCCN-18-11	Detecting Aggressive Driving Behavior using Mobile Smartphone Rishu Chhabra, Seema Verma and C. Rama Krishna
ICCCN-18-19	SREF Interest Measure based Classification to Extract Important Patterns Ochin Sharma, Suresh Kumar and Nisheeth Joshi
ICCCN-18-24	Two Stage Text Feature Selection Method For Human Emotion Recognition Lovejit Singh, Sarbjeet Singh And Naveen Aggarwal
ICCCN-18-26	Authorship Analysis of Online Social Media Content Ravneet Kaur, Sarbjeet Singh and Harish Kumar
ICCCN-18-52	Utility of OLAP and Digital ATLAS to Enhance Cross Border Connectivity among Punjabi Sikh NRIs Harkiran Kaur, Kawaljeet Singh and Tejinder Kaur
ICCCN-18-53	Implementing Multi-Dimensional Analytics In Nris Directory Databases Harkiran Kaur, Kawaljeet Singh and Tejinder Kaur
ICCCN-18-71	Performance Evaluation of Cooperative Spectrum Sensing over Fading Channels based on Neural Network Learning Approach Rashid Mustafa, Reena Rathee Jaglan and Sunil Agrawal
ICCCN-18-74	Study of NoSQL Databases for Storing and Analyzing Traffic Data Mankirat Kaur, Sarbjeet Singh and Naveen Aggarwal
ICCCN-18-86	Applying Machine Learning Algorithms for Early Diagnosis and Prediction of Breast Cancer Risk Tawseef Ayoub Shaikh and Rashid Ali
ICCCN-18-114	Approximation Of Heaviest K-Subgraph Problem By Size Reduction Of Input Graph Harkirat Singh, Mukesh Kumar and Preeti Aggarwal
ICCCN-18-120	Approximate Computing for Machine Learning Vinay Kumar and Ravi Kant
ICCCN-18-146	Experimental Evaluation of Nature-Inspired Algorithms on High Dimensions Manisha Singla and K.K Shukla
ICCCN-18-163	Entropy Component Correlation Analysis for Cross Pose Face Recognition Kumud Arora and Poonam Garg
ICCCN-18-171	Diagnosis of Malignant Pleural Mesothelioma using KNN Manpreet Kaur and Birmohan Singh

Technical Session – III-B (Venue: Conference Hall)

Duration	9.00 am-11.00 am
Theme	Data Science-II
Invited Talk & Session Chairperson	Prof. Dr. MD Mamun Bin Ibne Reaz Universiti Kebangsaan Malaysia, Malaysia
Session Co-Chair	Dr. J. S. Saini
Rapporteur	Ms. Garima Saini
Session Coordinator	Ms. Mala Kalra
Student Volunteers	Swati Nautiyal, Chandrawal Kaur, Minalini Goyal

ICCCN-18-176	ECG Arrhythmia Classification Using Artificial Neural Networks Saroj Kumar Pandey and Dr. Rekh Ram Janghel
ICCCN-18-178	An Improved Automated Question Answering System from Lecture Videos Divya Mamgai, Sonali Brodiya, Rohit Yadav and Mohit Dua
ICCCN-18-193	A Novel Approach to Feature Hierarchy in Aspect Based Sentiment Analysis using OWA Operator Charu Gupta, Amita Jain and Nisheeth Joshi
ICCCN-18-201	Analyzing Behavior of ISIS and Al-Qaeda Using Association Rule Mining Tamanna Goyal, Jaspal Kaur Saini and Divya Bansal
ICCCN-18-214	A Hybrid Classification Method Based on Machine Learning Classifiers to Predict Performance in Educational Data Mining Keshav Singh Rawat and I. V. Malhan
ICCCN-18-228	Improving KFCM-F algorithm using prototypes K. Mrudula and E. Keshava Reddy
ICCCN-18-230	A Time-Efficient Active Learning-Based Instance Matching System for Data Linking Gulshakh Kaur, Shilpa Verma and Poonam Saini
ICCCN-18-252	Reckoning of Photosynthetic Pigments Using Remotely Sensed Spectral Responses of Vigna Radiata Crop For Surge Monitoring Rupali R. Surase, Karbhari Kale, Amarsinh B. Varpe, Amol D. Vibhute, Hanumant Gite, Mahesh Solankar, Sandeep Gaikwad, Dhananjay Nalawade, and Suresh Mehrotra
ICCCN-18-257	Comparative Analysis of Machine Learning Algorithms for Breast Cancer Prognosis Kashish Goyal, Prakriti Sodhi, Preeti Aggarwal and Mukesh Kumar
ICCCN-18-263	Digital Assessment of Spatial Distribution of the Surface Soil Types using Spatial (Texture) Features with MLC and SVM approaches Amol D. Vibhute, Karbhari V. Kale, Rajesh K. Dhumal, Ajay D. Nagne, Suresh C. Mehrotra, Amarsinh B. Varpe, Rupali R. Surase, Dhananjay B. Nalawade and Sandeep V. Gaikwad
ICCCN-18-268	Frequent Itemset Mining on Uncertain Database using OWA operator Samar Wazir, M.M. Sufyan Beg and Tanvir Ahmad
ICCCN-18-272	Recommender System Survey: Clustering To Nature Inspired Algorithm Suraj Pal Singh and Shano Solanki

Tea Break (11.00 am -11.15 am)

Technical Session – IV-A (Venue: Conference Hall)

Duration	11.30 am-01.30 pm
Theme	Wireless Communication
Invited Talk &Session Chairperson	Prof. Dr. MD Mamun Bin Ibne Reaz Universiti Kebangsaan Malaysia, Malaysia
Session Co-Chair	Dr. J. S. Saini
Rapporteur	Mr. Amardev Singh
Session Coordinator	Mr. Amit Doegar
Student Volunteers	Pooja Sharma, Neha Tarar, Reetu

ICCCN-18-46	Matlab Simulink Modeling for Spectrum Sensing in Cognitive Radio Networks Reena Rathee Jaglan, Rashid Mustafa and Sunil Agrawal
ICCCN-18-78	QoS Aware Routing in Vehicular Ad Hoc Networks Using Ant Colony Optimization and Bee Colony Optimization Sumandeep Kaur, Trilok C Aseri, Sudesh Rani
ICCCN-18-140	D-MSEP: Distance incorporated Modified Stable Election Protocol in Heterogeneous Wireless Sensor Network Anureet Singh, Hardeep Singh Saini and Naveen Kumar
ICCCN-18-155	Radio Environment Map Based Radio Resource Management in Heterogeneous Wireless Network Rajarshi Mahapatra
ICCCN-18-168	Fuzzy AHP based Technique for Handover Optimization in Heterogeneous Network Riya Goyal, Tanu Goyal, Sakshi Kaushal and Harish Kumar
ICCCN-18-246	Implementation of Fractional Frequency Reuse schemes in LTE-A Networks Girisha Kumar and Garima Saini
ICCCN-18-264	Frequency Regulation in Smart Grids using Electric Vehicles considering Real Time Pricing Sirat Kaur, Prof. Sukhwinder Singh and Dr. Damanjeet Kaur
ICCCN-18-285	Integration of Optical and Wireless technology as high capacity communication system: Issues and Challenges Namita Kathpal and Amit Kumar Garg

Technical Session – IV-B (Venue: New Committee Room)

Duration	11.30 am-01.30 pm
Theme	Signal and Image Processing
Invited Talk &Session Chairperson	Dr. Sanjeev Sofat, Professor, Punjab Engineering College (Deemed to be University), Chandigarh
Session Co-Chair	Dr. A. B. Gupta
Rapporteur	Ms. Garima Saini
Session Coordinator	Dr. Rakesh Kumar
Student Volunteers	Vartika, Ankita Dhiman, Inderpreet Kaur

ICCCN-18-18	An Analysis of Relationship between Image Characteristics and Compression Quality for High Resolution Satellite Images Gurneet Kaur, Charu Nimesh and Dr. Savita Gupta
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ICCCN-18-72	A Comparative Analysis of Various Image Segmentation Techniques Poonam Jaglan, Rajeshwar Dass and Manoj Duhan
ICCCN-18-91	Deep Learning based Shadow Detection in Images Naman Bansal, Akashdeep and Naveen Aggarwal
ICCCN-18-116	Detection of Hemorrhagic region in Brain MRI Ujjwal Kumar Kamila, Oishila Bandyopadhyay and Arindam Biswas
ICCCN-18-184	Recurrence Plot Features of RR-Interval Signal for Early Stage Mortality Identification in Sudden Cardiac Death Patients Reeta Devi, Hitender Kumar Tyagi and Dinesh Kumar
ICCCN-18-198	Festival Framework for Synthesis of Punjabi Voice Sukhpreet Kaur Gill and Parminder Singh
ICCCN-18-213	Medical Fusion Of Clahe Images Using Swt And Pca For Brain Disease Analysis Gurpreet Kaur, Dr Sukhwinder Singh and Dr Renu Vig
ICCCN-18-249	Recent Advances and Challenges in Automatic Hyperspectral Endmember Extraction Mahesh M. Solankar, Hanumant R Gite, Rajesh K. Dhumal, Ruplai R. Surase, Dhananjay Nalawade, Karbhari. V. Kale
ICCCN-18-256	Correction of segmented lung boundary for inclusion of injured diffused regions from chest HRCT images Rashmi Vishraj, Savita Gupta and Sukhwinder Singh
ICCCN-18-260	A Review of Passive Image Cloning Detection Approaches Amit Doegar, Maitreyee Dutta and Gaurav Kumar
ICCCN-18-274	Pixel Level Image Fusion Using Different Wavelet Transforms On Multisensor & Multifocus Images Harpreet Kaur, Kamljeet Kaur and Neeti Taneja
ICCCN-18-275	Differentiation of Seizure & Non-Seizure EEG Signals using Analytical Approach Nazia Parveen, S.H.Saeed

Lunch (01.30 – 02.00 pm)(Venue: Har Gobind Khorana Guest House)

Valedictory Ceremony(Venue: S. S. Bhatnagar Auditorium / Conference Hall)

Duration	03.00 pm-04.00 pm
Chief Guest & Keynote Speaker	Dr. Manoj Arora Director Punjab Engineering College (Deemed to be University), Chandigarh
Guests of Honour	Dr. Mohammed Altaf Khan, Jamia Millia Islamia, New Delhi Prof. Dr. MD Mamun Bin Ibne Reaz Universiti Kebangsaan Malaysia, Malaysia Dr. Biplab Sikdar National University of Singapore, Singapore
Student Volunteers	Megha Vasudev, Apanveer Kaur, Suman Lata, Abhinav, Shachi Battar

IMPORTANT INSTRUCTIONS:

- 1) *Presentation is mandatory for your paper to be included in conference proceedings(to be published by Springer).*
- 2) *Certificates will be distributed in the Valedictory function only.*
- 3) *Conference fees includes:*
 - *Access to all Keynote Speakers and Conference Sessions*
 - *Lunch and Two times refreshments for both days*
 - *Conference Proceedings and Conference Kit*
 - *Free stay in institute hostel on twin sharing basis*
- 4) *Accommodation is also available in institute Guest House on payment basis (Rs. 1000/- per day)*
- 5) *Breakfast and Dinner are also available in the institute mess on payment basis (Rs. 35/- + Rs. 70/-)*